

THE WHITING-TURNER CONTRACTING COMPANY

(INCORPORATED)

ENGINEERS AND CONTRACTORS

CONSTRUCTION MANAGEMENT
GENERAL CONTRACTING
DESIGN-BUILD
SPECIALTY CONTRACTING
OFFICE/HEADQUARTERS
RETAIL/SHOPPING CENTERS
HEALTHCARE
BIO-TECH/PHARMACEUTICAL
HIGH-TECH/CLEANROOM

INSTITUTIONAL
DATA CENTERS
SPORTS AND ENTERTAINMENT
INDUSTRIAL
WAREHOUSE/DISTRIBUTION
MULTI-FAMILY RESIDENTIAL
ENVIRONMENTAL
BRIDGES CONCRETE

WRITER'S DIRECT NUMBER IS

One Lakeside Commons
990 Hammond Drive, Suite 1100
Atlanta, Georgia 30328
770-955-9300
Fax: 770-955-8030
www.whiting-turner.com

4/14/06

TolTest
1480 Ford Street
Maumee, OH 43537

Attn: Wayne Lint

Re: Georgia Tech Nanotechnology Building
Demo/Abatement of the Neely Reactor,
ERB, & Site
Subcontract No.: 11000-01

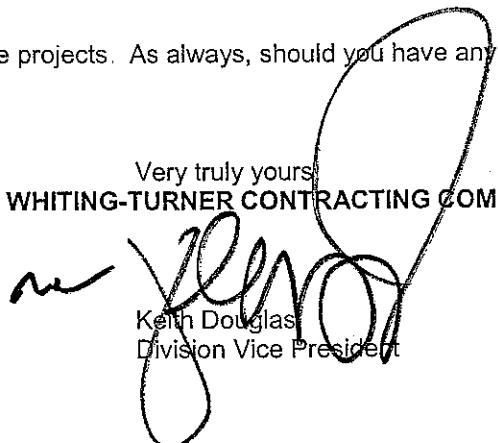
Mr. Lint:

Please find enclosed one (1) fully executed original of the above referenced subcontract for your files. An insurance certificate must be submitted according to the requirements in Exhibit C to Whiting-Turner prior to proceeding with any work.

All correspondence, scheduling, and procurement issues regarding this subcontract should be directed to the attention of: Ryan Smith, Project Manager.

We look forward to working with you on this and future projects. As always, should you have any questions or comments, please do not hesitate to call.

Very truly yours,
THE WHITING-TURNER CONTRACTING COMPANY


Keith Douglas
Division Vice President

cc: File: Contract 11000-01, Master File, WT-Field

TRADE CONTRACT
THE WHITING-TURNER CONTRACTING COMPANY
CONSTRUCTION MANAGER

Demo/Abatement of: Neely Reactor, Electronics Research Building and Site

TRADE CONTRACT NO: 11000-01

CONSTRUCTION MANAGER: THE WHITING-TURNER CONTRACTING COMPANY
One Lake Side Commons
990 Hammond Drive
Atlanta, Georgia 30328

CONTRACTOR: TolTest
Address: 1480 Ford St.
Maumee, OH 43537

Remittance Address: 1480 Ford St.
Maumee, OH 43537

PROJECT: Georgia Tech Nanotechnology Research Center

OWNER: GSFIC
270 Washington St 2nd Floor
Atlanta, GA 30334

ARCHITECT: M+W Zander U.S. Operations, Inc.
549 W Randolph St
Chicago, IL 60661

DATE OF THIS AGREEMENT: February 16, 2006

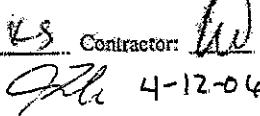
THIS CONTRACT INCLUDES PAGES: T1 through T35, T35-1 through T35-5, T36 through T39, T39-1, T40, T40-1 through T40-4, T41 through T48 69
4/1/166

ADDRESS REPLY TO: THE WHITING-TURNER CONTRACTING COMPANY
10 Lakeside Commons
990 Hammond Drive
Atlanta, Georgia 30328

17
Attn: Ryan Smith

C-015
12/05/2000

T1

Initiated by: KS Contractor: LL
Construction Manager: KS 4-12-06


TT0000005227

TRADE CONTRACT
THE WHITING-TURNER CONTRACTING COMPANY
CONSTRUCTION MANAGER

This Agreement, made as of the date above written by and between the Contractor and The Whiting-Turner Contracting Company, of Baltimore, Maryland, a body corporate of the State of Maryland, hereinafter called the Construction Manager

The Contractor and the Construction Manager, for the consideration hereinafter set forth, agree as follows:

ARTICLE 1. DEFINITIONS

As used in this Agreement, unless a different meaning clearly appears from the context:

"Architect" or "Engineer" means the person or firm above named as Architect or any other person, firm, or corporation retained by the Owner to provide engineering and/or design services for the Project.

"Construction Manager" means The Whiting-Turner Contracting Company, retained by agreement with Owner to provide construction management services.

"Owner" means the person or entity above named as Owner.

"Day" means calendar day unless otherwise specifically designated.

"Project" means the Project identified above and is sometimes used interchangeably with the "Work".

"Work" means the total construction to be performed hereunder.

Contract Documents: The contract documents (the "Contract Documents") consist of this Agreement, Conditions of the Contract (General, Special, Supplementary and other Conditions), drawings (the "Drawings"), general and special specifications (the "Specifications"), all Exhibits, Schedules, Bulletins, and Addenda relating to any of the foregoing issued prior to the execution of this Agreement and all Modifications issued subsequent thereto. All of the above shall form the Contract (the "Contract") between the parties hereto and all are as fully a part of this Agreement as if attached hereto or fully set forth herein. A schedule of all the Contract Documents is set forth in *Exhibit A*.

Certain other words, terms and phrases used in this Agreement shall have the meanings given to them by the Contract Documents.

ARTICLE 2. SCOPE OF WORK

The work is to be performed and materials to be furnished by the Contractor are set forth in *Exhibit B*.

ARTICLE 3. PROVISION OF LABOR AND MATERIALS

(a) Contractor agrees to furnish and pay for all labor and supervision (said labor and supervision to be limited strictly to persons who will work in reasonable harmony with other persons on the Project and who are reasonably satisfactory to Owner and Construction Manager), tools, apparatus, supplies, equipment and services, and also to furnish, deliver, install and pay for all materials necessary for the performance and completion of the Work described in *Exhibit B*, "Scope of Work," free from all claims of laborers, material suppliers, subcontractors, and all others making claims through the Contractor. At all times that Contractor has personnel at the Project site, it shall also have present an authorized representative of Contractor who shall supervise and direct Contractor's personnel and be responsible for their actions. Such representative shall be authorized to act on behalf of the Contractor and communications to such representative shall be binding upon Contractor.

All services required hereunder shall be performed to the reasonable satisfaction of Owner, Architect and Construction Manager, in strict accordance with the Contract Documents. Contractor shall perform hereunder at the direction of Construction Manager. Contractor warrants and represents that it is expert and experienced in the kind of work to be performed under this Agreement.

(b) In the event that any deviations from the Contract Documents are incorporated in any shop drawings of or by Contractor, such deviations and the reasons therefor shall be fully explained in writing to Construction Manager and Architect at the time such shop drawings are submitted and failure to so specify and explain any such deviation shall automatically void any inadvertent approval of the same by Construction Manager or Architect.

(c) Contractor agrees to adhere strictly to the requirements of the Contract Documents unless, prior to the beginning of its work, Contractor formally objects in writing to certain specific items or apparent discrepancies as being inadequate or unsuitable to accomplish the desired results, and Construction Manager and Architect have specifically agreed to a remedial solution in writing.

Contractor agrees to cooperate in carrying out Construction Manager's quality assurance program including, but not limited to, furnishing necessary documentation and facilitating inspections and quality checks.

ARTICLE 4. DILIGENT AND TIMELY PERFORMANCE

(a) Contractor agrees to commence, pursue and complete the Work diligently, in such sequence and according to such schedule as Construction Manager shall establish from time to time during the course of the Work, and to perform the Work so as not to delay any other trades or contractors, time being of the essence of this Contract. Any written dates furnished by Contractor and approved by Construction Manager for delivery of materials, samples, shop drawings, etc., shall become part of this Contract. Contractor shall immediately notify Construction Manager in writing of any interruption on the job or late delivery which causes or may cause a delay in Contractor's performance. No extension of the completion date shall be permitted unless approved in writing by the Construction Manager, and Contractor shall be responsible for any losses or penalties incurred as a result of delays in completing its work. Contractor shall work overtime or shift work if deemed necessary, in the judgment of the Construction Manager, to maintain the progress of the work. Any such overtime or shift work required to maintain progress or to complete the work on a timely basis shall be at Contractor's expense and shall not be charged to Construction Manager unless specifically authorized in writing by the Construction Manager prior to the commencement of such overtime or shift work.

(b) Construction Manager shall have the right at any time to delay or suspend the work or any part thereof without incurring liability herefor. An extension of time shall be the sole and exclusive remedy of Contractor for any such delays or suspensions, but only to the extent that a time extension is obtained from the Owner. In the event that Construction Manager obtains additional compensation from the Owner or others for delay or interference, Contractor shall be entitled to share pro rata in such additional compensation, as determined in the good faith judgment of the Construction Manager.

(c) Contractor shall cooperate fully with Construction Manager in providing any information requested by Construction Manager to prepare schedules for the Project, including, but not limited to, detailed information concerning the sequence and beginning and ending dates of activities, costs related to such activities, and any information requested for Critical Path Method scheduling if used for the Project. The costs of all such activities on the part of Contractor are included in the Contract Amount.

(d) In the event of any dispute under this Contract or as to the work to be performed, Contractor shall continue to diligently perform the work as directed by the Construction Manager without interruption deficiency or delay.

ARTICLE 5. PAYMENT

(a) Payment of the Contract Amount shall be in monthly installments. Construction Manager shall pay to the Contractor an amount equal to ninety percent (90%) of the value of the work performed by Contractor during the month to which each application for progress payment relates. Construction Manager will request Owner and its lender to agree that no further retainage shall be deducted from applications for progress payment after fifty percent (50%) of the Contract Amount has been paid, but Contractor shall not be entitled to such lesser retainage in the absence of such agreement or in the event, in Construction Manager's judgement, Contractor's performance is in any manner unsatisfactory. Payment shall be made only for work performed by Contractor in accordance with the Contract Documents as determined by Architect and reviewed and recommended by Construction Manager and not later than fifteen (15) days after payment therefor has been received by Construction Manager from Owner, or within such shorter period specified by applicable law, statute, or regulation. Contractor shall not be entitled to payment in the event Owner withholds payment for work which is responsibility of Contractor. The dates for submission of monthly applications and dates of monthly payment shall be communicated to Contractor by Construction Manager promptly after such dates are established with Owner and its lender.

(b) Retainage and any other unpaid balance of the Contract Amount shall be payable within fifteen (15) days, (or within such shorter period specified by applicable law, statute, or regulation), after the work under this Agreement has been completed and accepted by Owner, Architect and Construction Manager and following approval by the Architect of the final application for payment, and settlement of all claims, if any, under this Agreement, provided that Contractor has fully performed all of its obligations hereunder.

(c) Contractor agrees to submit to Construction Manager its monthly application for payment promptly on the date established by Construction Manager, so as to enable Construction Manager to forward the application to Owner for payment. As a condition precedent to the payment of any application, Construction Manager may require the Contractor to (1) produce waivers of mechanics lien rights, in form and substance satisfactory to Construction Manager, executed by Contractor and all persons or entities supplying labor or materials to Contractor through the date of application, or (2) provide such other evidence as the Construction Manager may require that all charges for labor and material have been paid. Construction Manager reserves the right to inquire of Contractor's suppliers and subcontractors, directly or indirectly, to determine the current status of indebtedness and may, at Construction Manager's discretion, make checks payable either jointly to Contractor and the supplier or subcontractor, or directly to the supplier or subcontractor for the account of Contractor.

(d) Payment by Construction Manager to Contractor, for its account, shall not be deemed to be an admission or approval by Construction Manager that the work covered by such payment is in conformance with the requirements of this Agreement or the Contract Documents.

(e) Notwithstanding any other provisions of this Agreement, Construction Manager shall be under no obligation to make payment to the Contractor under any provision hereof except to the extent that Construction Manager has received funds from Owner, payment by Owner being a condition precedent to payment of the Contractor.

(f) Construction Manager may apply any payments otherwise due Contractor hereunder to any other indebtedness, liability or obligation of Contractor to Construction Manager whether under this Agreement or any other agreement or circumstance.

ARTICLE 6. CHANGES IN THE WORK

(a) A Change Order is a written direction to Contractor, signed by Construction Manager and any other persons required under the Contract Documents, issued after execution of this Agreement, directing or authorizing additional work or deletion of work and specifying, if applicable, any change in the Contract Amount or Schedule. Contractor agrees to perform such changed or additional work within its trade and related to its Scope of Work upon request of Construction Manager. Construction Manager may initiate Change Orders for itself, at the request of Owner or the Architect, or at the request of Contractor as hereinafter set forth. A Change Order or request by Contractor for a Change Order shall be in writing and in the form specified by Construction Manager.

(b) In the event that Construction Manager directs Contractor to perform extra work, additional work or changed work, Contractor agrees that it will promptly perform and diligently complete such work whether or not Construction Manager and Contractor have agreed on the cost of such work. Contractor shall submit to Construction Manager a lump sum or guaranteed maximum price proposal for such work, which proposal shall include a detailed cost breakdown for each component of the work, indicating both quantities and unit prices, and such proposal shall be submitted to Construction Manager not later than 10 days after such proposal is requested by Construction Manager. If a lump sum price, guaranteed maximum price, or unit price for the extra work cannot be agreed upon, Contractor agrees to do the work on the basis of its actual cost, plus percentage fees for overhead and profit as specified herein. Contractor shall not commence additional work unless such work is first expressly authorized by the Construction Manager in writing.

(c) In the event that Contractor performs any such authorized additional work on an actual cost plus basis, it shall furnish each day to Construction Manager, duplicate time sheets, material tickets, and a statement of all other charges, securing on each thereof the signature of Construction Manager. Copies of all such signed copies of time sheets, material tickets and statements shall accompany Contractor's application for payment.

(d) Should Construction Manager require the Contractor to omit any work required under this Agreement, Contractor agrees to omit such work, and Construction Manager will deduct from any monies due the Contractor the value of such omitted work, including overhead and profit attributable to such work.

(e) In the event of any dispute, controversy, or claim for additional compensation or time extensions, notice in writing shall be given to the Construction Manager no later than seven (7) days following the occurrence on which claim is based. Such notice shall describe the dispute, controversy or claim in detail so as to allow Construction Manager to review its merits. Any claim not presented within such time period shall be deemed waived by Contractor. Promptly thereafter, Contractor shall provide detailed information to substantiate such claim including supporting documentation and calculations, and including any information requested by Construction Manager.

(f) If the Contractor shall make any claim against the Construction Manager for extra work or additional compensation for which the Owner or its agents may be liable, the Construction Manager may present such claim or claims to the Architect and/or Owner for determination and decision provided (1) such claim is not, in the judgment of the Construction Manager, made in bad faith, (2) Contractor has given notice as set forth above and in the form required by the Owner-Construction Management Agreement, and has presented the claim to Construction Manager in sufficient time for Construction Manager to review the claim in advance and present it to the Owner within the time required by the Owner-Construction Management Agreement and, (3) Contractor has both requested in writing that Construction Manager present the claim and has agreed in writing, on terms satisfactory to Construction Manager, to pay all costs of Construction Manager in presenting and pursuing such claim. Presentation of the claim by Construction Manager shall not be construed as an acknowledgment of the validity thereof, or a waiver of any right of the Construction Manager, and such action shall be without prejudice to its rights. The decision of the Architect and/or Owner shall be final and binding upon the Contractor to the same extent and purpose that it is final and binding on the Construction Manager.

(g) Construction Manager assumes no responsibility for material received, unloaded or stored for or by the Contractor. Materials, tools, supplies, equipment, or other property belonging or leased to Contractor are its responsibility, and no claim for missing, stolen or damaged property shall be made against Construction Manager or Owner. No additional compensation will be allowed Contractor for difficulties or inconveniences arising from mud, dust, water, ice, snow, wind, heat, cold, or other weather, natural or physical conditions.

(h) Construction Manager shall not be required to provide hoisting facilities or temporary power, water or heat unless otherwise specifically provided in the Contract Documents

(i) Contractor agrees that in the event it performs additional or changed work on a cost plus basis, the percentage fees for combined overhead and profit set forth in Article 10 hereof shall apply.

(j) In the event Construction Manager directs Contractor to work overtime or premium time for which Construction Manager is obligated hereunder to reimburse the Contractor, Contractor shall be reimbursed only for the difference between regular time and overtime for direct payroll cost and the related payroll taxes, insurance, and benefits, and shall not be entitled to any additional compensation for overhead or profit or for the inefficiencies or declines in productivity. Nothing herein shall be construed to obligate Construction Manager to pay for any overtime work it has not approved in writing or for any overtime work caused by failure of Contractor to provide sufficient manpower or otherwise maintain the progress of the work.

ARTICLE 7. DEFAULT

(a) In the event Contractor (1) becomes insolvent, or files or has filed against it any Petition in Bankruptcy, or makes an assignment for the benefit of creditors, or commences or has commenced against it or enters into any other proceeding or arrangement for relief of debtors, reorganization or deferral or discharge of debts, or (2) fails to pay, when due, wages or costs of labor, including benefits and taxes, or for materials, supplies, or other items purchased or used in connection with this Agreement, or (3) fails to pursue the Work in accordance with the requirements of the Contract Documents, the directions of Construction Manager or the schedules established by the Construction Manager, or (4) fails to supply a sufficient number of properly skilled supervisors, workers, materials, tools, equipment, or supplies of the proper quality, including failure occasioned by boycott, labor dispute or other cessation of work by Contractor's employees, or (5) interferes with or disrupts, or threatens to interfere or disrupt, the operation of Construction Manager, Owner or any other contractor, laborer, material supplier, subcontractor, or other person working on the Project, whether by reason of any boycott or labor dispute or any other reason, or (6) commits any other breach of this Agreement, Contractor shall be in default under this Agreement. In the event that such default continues for two (2) days after written notice thereof by Construction Manager to Contractor, or immediately in the event that such default, in the judgement of the Construction Manager, cannot be cured within a two (2) day period after notice of default, Construction Manager may without further notice terminate this Agreement, take possession of all of Contractor's materials, supplies, and equipment on the Project site, in storage or in transit, and may make arrangements for completion of the Work. The cost of completion, as well as any other costs, damages or expenses, including the Construction Manager's legal fees and expenses, incurred as a result of such default, shall be charged against any unpaid balance due to the Contractor; and if such total costs, damages and expenses exceed the balance due, Contractor agrees to pay the amount of said excess upon demand by Construction Manager. Contractor's materials and supplies may be incorporated and used in completing the Work. With respect to any items incorporated or consumed in the Work and for which Contractor has not previously been paid, the net reasonable value of the same, being the lower of Contractor's cost or fair market value as of the date Construction Manager took possession of such items, shall be credited against the aforesaid total completion costs, damages and expenses.

(b) In addition to, and not in substitution of the remedies hereinabove specified, Construction Manager may immediately, in the event of default or failure of Contractor to perform its obligations hereunder, provide or arrange for the provision of such workmen and materials necessary to continue and complete the work contracted for hereunder, for the account of the Contractor and at Contractor's expense and apply any and all funds which may be or become due Contractor to such expense, all without terminating, rescinding, or voiding this Agreement or releasing the Contractor from any obligation or liability hereunder, or from any damages caused by Contractor's failure to perform.

(c) Notwithstanding any other provisions of this Agreement, in the event of default by Contractor, Construction Manager shall have the right to pursue any and all remedies provided herein or provided by law, in equity or otherwise, including, specifically, the right to

apply monies otherwise due Contractor from Construction Manager, under this Agreement or any other agreement or circumstance, to the costs of curing such default or the damages therefrom

(d) In the event the Construction Manager does not terminate this Contract, but assents to delayed completion of the work by the Contractor, such assent shall not be construed as a waiver of the Contractor's obligation to reimburse the Construction Manager for any costs, damages, or expenses incurred as a result of such delay; and all such costs, damages, and expenses shall be paid and reimbursed to Construction Manager upon demand.

(e) In the event that Construction Manager wrongfully exercises any of its rights under this Article 7, Contractor's sole and exclusive remedy shall be payment of the Contract Amount or the portion of the Contract preformed by the Contractor

ARTICLE 8. WAIVER OF LIENS

Contractor agrees to execute such specific releases and/or waivers of liens as may be requested by Construction Manager. Contractor shall promptly apply all payments made hereunder to Contractor's cost for labor and material for the Project and shall further take any and all necessary actions to keep the Project free and clear of all claims for liens. In the event that any person furnishing labor or materials to the Contractor files a notice of intent to place a lien on the Project, Contractor shall promptly take all necessary steps to have such notice withdrawn, including, if requested by Construction Manager, the posting of a bond. In the event that Contractor does not fulfill its obligations under Article 8, Construction Manager may take all actions which it deems reasonable or necessary to protect the Project from liens and the costs of any such actions including attorney's fees, shall be deducted from amounts payable by Construction Manager to Contractor under this Agreement or any other agreement or circumstance. Contractor shall remain liable in the event that monies payable to it are insufficient to pay any damages or expenses arising from such liens.

ARTICLE 9. MISCELLANEOUS

(a) Contractor shall not assign this Agreement or any part hereof, or subcontract any work hereunder, without the prior written consent of Construction Manager. Construction Manager may assign this Agreement, and all of its rights hereunder, to Owner, to a lender in connection with Owner's financing, or to other persons or entities as deemed necessary by Construction Manager.

(b) Contractor's bid or proposal was accepted, and this Contract was awarded, on the condition that this form of Contract would be executed, without change or alteration, by Contractor and on the condition that Contractor would commence performance of the work on the date established by Construction Manager. Commencement of performance of the work described herein shall constitute Contractor's agreement to each and every term hereof irrespective of whether this Contract is executed by Contractor.

(c) Owner and Construction Manager have the right to enter into other contracts in connection with the Project, and the Contractor shall cooperate with any such other contractors. Contractor shall be liable for delay, or damage to the Project or property or any other contractor on the Project. Should such other contractor make claim against Owner, Architect or Construction Manager on account of such damage or delay, Contractor agrees that it will hold Owner, Architect and Construction Manager harmless against any damages, awards, settlements or expenses arising out of such claim, including attorney's fees. The Construction Manager shall be responsible to the Contractor for physical damage to Contractor's work only if such damage is directly and proximately caused by the negligence of the Construction Manager.

(d) Contractor agrees to clean up daily and to remove all dirt, trash and debris arising from its operations as directed by Construction Manager. In the event Contractor fails to clean up and remove such dirt, trash and debris, Construction Manager may, at its discretion, arrange for the same at Contractor's expense.

(e) Contractor agrees to indemnify and hold harmless Construction Manager, Architect and Owner, their officers, directors, agents and employees, from and against any and all claims, suits, liens, judgement, damages, losses, and expenses, including, but not limited to attorney's fees, arising in whole or in part and in any manner from the acts or omissions of the Contractor, its officers, directors, agents, employees or subcontractors, in connection with the performance of this Agreement. Contractor shall defend and bear all costs of defending any actions or proceedings brought against the Construction Manager, Architect, or Owner, their officers, directors, agents and employees, arising in whole or in part out of any such acts or omissions, provided, however, that Construction Manager shall have the right to approve selection of counsel to conduct such defense.

(f) Contractor shall have no greater or different rights or remedies against Construction Manager with respect to any matter, including, but not limited to additional compensation or time, than Construction Manager has against Owner pursuant to the Contract Documents. Within its scope of Work, Contractor "stands in the shoes" of Construction Manager and assumes all obligations, duties and responsibility by which Construction Manager is bound to Owner pursuant to the Contract Documents. Owner shall have all rights and remedies against Contractor which Owner has against Construction Manager pursuant to Contract Documents.

(g) Contractor acknowledges that, before executing this Agreement, it has carefully examined this Agreement, the Contract Documents and the Project site, has made such investigation of the Work required to be done and the material required to be furnished and, based upon such examination and investigation, Contractor represents that it fully understands and can perform all requirements of the Contract Documents.

(h) Construction Manager shall have the right to terminate this Agreement in the event that the Agreement between Owner and Construction Manager is terminated for any reason. In the event of such termination, Contractor's sole right and Construction Manager's sole obligation to Contractor shall be payment for the Work completed by Contractor to the extent that Construction Manager can recover such payment from Owner, less any amounts due to Construction Manager by Contractor. As a condition of such payment, Contractor shall furnish Construction Manager with a release, satisfactory in form and substance to Construction Manager, of all claims against the Construction Manager and Owner.

(i) Contractor agrees to clearly note on each payment check to and related invoice of its subcontractors and material suppliers which exceeds Five Hundred Dollars (\$500.00), as being for work or materials provided pursuant to this Agreement for this Project, by name, all to be subject to Construction Manager's inspection upon request. Contractor also agrees to submit promptly to Construction Manager, upon request, the name, address and telephone number of each subcontractor or supplier of any tier, to Contractor for labor, materials, or equipment used on this Project.

(j) Contractor shall promptly correct any Work done by it or by its subcontractors which is discovered during the course of the Work to be not in conformance with the requirements of the Contract Documents, and shall promptly remedy any defects in the Work done by it or by its subcontractor due to faulty materials, equipment or workmanship which appear within a period of one (1) year from the date of substantial completion of this Agreement or within a longer period of time as prescribed by law or by the terms of any other applicable warrantee or guarantee required by the Contract Documents. Such corrections and remedies of defects shall be without cost to Construction Manager and shall be corrected and remedied to the reasonable satisfaction of the Architect, Construction Manager and Owner.

(k) All Work performed under this Agreement shall be in strict conformance with all applicable laws, codes, ordinances, rules, regulations and requirements of Federal, State, City and Municipal authorities, of the National Board of Fire Underwriters, any local Fire Underwriters and any local fire insurance exchange requirements in effect at the date of this Agreement. Should Contractor incur additional costs because of any future change in such requirements, additional compensation therefore will be payable only upon the approval of the Architect, Owner, and Construction Manager. If Contractor performs any work contrary to such laws, codes, ordinances, rules, regulations or requirements, it shall bear all costs arising or resulting therefrom, including the costs incurred by Owner or Construction Manager.

(l) Contractor shall be represented on the Project site during the course of its Work by a sufficient number of qualified, full-time supervisors acceptable to Construction Manager. Contractor shall enforce discipline and good order among its employees, suppliers, and subcontractors. Construction Manager may require Contractor to remove from the Project any such employees, suppliers, or subcontractors or others that Construction Manager may reasonably deem incompetent, disruptive or a hindrance to progress of the Project, whereupon any such employee, supplier or subcontractor shall be so removed and shall not again be employed on any part of the Project without written consent of Construction Manager.

(m) Construction Manager shall have the right to require, at any or all progress meetings, whether called by Owner, Construction Manager or others, the presence of Contractor, or a representative of Contractor authorized to act on its behalf.

(n) The Contractor agrees that it will not engage in discriminatory employment practices in violation of any Federal, State, or local law including any order or regulation of any agency authorized to enforce any such law. To the extent applicable, Contractor agrees to comply with Title VII of the Civil Rights Act of 1964, Executive Order 11246, and all additional orders, regulations, amendments, etc., pertaining thereto, including certification of nonsegregated facilities. The Contractor agrees to furnish such additional information, certifications, and policies as may be required by the Contract Documents. The Contractor agrees to comply with all applicable rules, regulations and relevant orders of the Secretary of Labor issued pursuant to the Rehabilitation Act of 1973 as amended, the Vietnam Era Veterans Readjustment Assistance Act of 1974 as amended, and the Americans with Disabilities Act of 1990.

(o) Contractor shall comply with all applicable federal, state and local laws, regulations and orders relating to occupational safety and health, and related procedures established by Construction Manager and shall, to the extent permitted by law, indemnify and hold Construction Manager and Owner, their directors, officers, agents and employees, harmless from any and all liability, public or private, penalties, contractual or otherwise, losses, damages, costs, attorney's fees, expenses, causes of action, claims or judgements resulting from a claim filed by anyone in connection with the aforementioned acts, or any rule, regulation or order promulgated thereunder, arising out of this Agreement or any subcontract hereunder. Contractor further agrees in event of a claim of violation of any such laws, regulations, orders or procedures arising out of or in any way connected with the performance of this Agreement, Construction Manager may immediately take whatever action is deemed necessary by Construction Manager to remedy the claim of violation. Any and all costs or expenses paid or incurred by Construction Manager in taking such action shall be borne by Contractor, and may be deducted by Construction Manager from any payments due Contractor.

The Contractor agrees to (1) comply with all safety rules and regulations and work practices and procedures established by the Construction Manager and/or the Owner; (2) take all necessary steps to promote safety and health on the jobsite; (3) cooperate with Construction Manager and other Contractors in preventing and eliminating safety and health hazards; (4) train, instruct and provide adequate supervision to assure that its employees are aware of, and comply with, applicable Federal and State safety and health laws, standards, regulations and rules, safe healthful work practices and all applicable safety rules, regulations, and work practices and procedures of the Construction Manager; (5) not create any hazards or expose any of its employees, employees of the Construction Manager or employees of Contractors to any hazards; (6) immediately abate all hazards within its control regardless of whether it created such hazard; and (7) where the Contractor is aware of the existence of a hazard not within its control, notify the Construction Manager of the hazard as well as warn exposed persons to avoid the hazard.

Contractor shall notify Construction Manager of any personal injury requiring medical treatment of any of Contractor's employees or others at the Project site; or of significant damage to property arising in connection with Contractor's performance, as promptly as possible after the occurrence of such injury or damage. Within forty-eight (48) hours of such occurrence, Contractor shall furnish to Construction Manager a complete written report of such injury or damage.

(p) Contractor agrees to provide and furnish prior to commencing Work, certificates of insurance in duplicate for Workers' Compensation, Public Liability and Property Damage Insurance and all other insurance of the kinds and with the limits set forth in the Contract Documents and in *Exhibit C* to this Agreement. All policies of insurance shall be with companies and in amounts acceptable to Construction Manager, and shall not be subject to modification or cancellation during the term of the Work hereunder without at least sixty (60) days prior written consent of Construction Manager. The Contractor accepts exclusive liability for contribution tax or premiums for Unemployment Compensation, Social Security, Withholding Tax and Workmen's Compensation.

(q) Contractor, if required by Construction Manager, shall furnish Performance and Labor and Material Payment Bonds covering the faithful performance of all work under this Agreement and the payment of all obligations arising hereunder, including the continuing obligations under the warranties specified in the Contract Documents. If required, such bonds shall be of an amount equal to the entire Contract Amount specified in Article 10 of this Agreement. Construction Manager shall have the right to reject the form of or the surety under such bonds.

(r) Contractor understands and agrees that it shall not deal directly with representatives of Owner, but shall handle all matters connected with this Agreement, the Work, or the furnishing of labor or materials or payment therefor, exclusively through Construction Manager unless otherwise directed in writing by Construction Manager.

(s) The Contract Documents are complementary and should be read so as to avoid inconsistent interpretations. In the event of variations, conflicts, ambiguities or inconsistencies between or among the terms, provisions or conditions of this Contract and any other Contract Documents, the terms, provisions and conditions which grant greater rights or remedies to Construction Manager or impose higher standards with regard to the obligations, responsibilities and scope of work of the Contractor shall control. Notwithstanding any other provisions of this Contract or of the Contract Documents, disputes hereunder shall not be resolved by arbitration unless Construction Manager agrees in writing to arbitration of such specific dispute. In the event that arbitration is specified in the Owner-Construction Management Agreement for disputes between Owner and Construction Manager, Contractor agrees, upon request of Construction Manager, to submit any related disputes, as determined by Construction Manager in its sole discretion, to arbitration and consolidation of said disputes with any arbitration or administrative proceeding between Construction Manager and Owner or any other party.

(t) This Trade Contract shall be governed by the laws of the State of Maryland, without regard to principles of conflict of laws. Any action or suit arising hereunder shall be brought in the jurisdiction where Construction Manager's principal office is located without regard to principles of conflict of laws or forum non conveniens. In the event of litigation between them, Construction Manager and Contractor waive trial by jury. If requested by Construction Manager, Contractor agrees to submit any dispute under this Trade Contract to arbitration under the Construction Industry Rules of the American Arbitration Association.

ARTICLE 10. CONTRACT AMOUNT

Construction Manager agrees to pay the Contractor for the performance of the Work under this Agreement, Two million one hundred twelve thousand four hundred thirty dollars (\$2,112,430),

which amount shall, unless otherwise specified in the Contract Documents, include, without limitation, all taxes, insurance premiums, charges for permits, any labor increases or material escalation costs which might occur during the course of construction, all other fees and charges, and all obligations and responsibilities of Contractor under the Contract Documents. In the event that the Contractor performs any additional or changed work on a cost plus basis or is entitled to additional compensation under Article 6(e) hereof, it shall be entitled only to the following percentages on the cost of such work for combined overhead and profit: * _____ % for work performed by Contractor's own forces, and * _____ % for work performed by a subcontractor. Subcontractors shall likewise be entitled to * _____ % for work performed by their own forces and * _____ % for work performed by their subcontractors or suppliers. Such percentages include all office overheads and supervision above the level of foreman.

* See EXHIBIT "H"

ARTICLE 11. AMENDMENTS

There shall be no change to this Agreement by interlineation or notation to the text hereof. No change, modification, addition or deletion to the terms of this Agreement shall be binding on Construction Manager unless set forth on *Exhibit D* hereto and unless each page in *Exhibit D* is signed by a Vice President of Construction Manager, or, after execution of this Agreement, unless incorporated in a Change Order pursuant to Article 6 hereof.

IN WITNESS WHEREOF, the duly authorized representatives of the parties have executed this Agreement, the day and year first above written

IoTest
CONTRACTOR

William E. Wrenn

William E. Wrenn, General Counsel
PRINTED NAME AND TITLE

Date: 2/14/06

Witness: WAMU

THE WHITING-TURNER CONTRACTING COMPANY
CONSTRUCTION MANAGER

Keith Douglas Division Vice President
PRINTED NAME AND TITLE

Date: 4/14/06

Witness: Kris Tuttar

EXHIBIT A
CONTRACT DOCUMENTS

Nanotech Specifications: (Pages 1 - 8)

Nanotech Drawings: (Pages 1 - 29)

ERB Demo Drawings: (Pages: 1 - 1)

ERB Specifications: (Pages 1 - 2)

Neely Drawings: (Pages: 1 - 1)

Neely Specifications: (Pages: 1 - 2)

Existing Neely Reactor Building Disc Dated 2/10/06

SEE ATTACHED DRAWINGS AND SPECIFICATIONS LOG.

Initialed By:

Construction Manager ES

Contractor WW

C-015
12/05/2000

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**Georgia Tech Nanotechnology
Project # 11000 Electronics Research Building
Specification Log
Exhibit A**

	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 1 : GENERAL REQUIREMENTS ASBESTOS REMOVAL

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
01013	7	Summary of work	12/15/05						
01028	1	Schedule and Payments	12/15/05						
01043	6	Project Coordination	12/15/05						
01091	8	Definitions and Standards	12/15/05						
01092	6	Codes and Regulations	12/15/05						
01301	10	Submittals	12/15/05						
01410	7	Air Monitoring and work Area Clearance	12/15/05						
01503	7	Temporary Facilities	12/15/05						
01513	8	Temporary Pressure Differential System	12/15/05						
01526	8	Temporary Enclosures	12/15/05						
01560	6	Worker Protection	12/15/05						
01562	7	Respiratory Protection	12/15/05						
01563	8	Decontamination Units	12/15/05						
01601	3	Materials and Equipment	12/15/05						
01632	3	Product substitutions	12/15/05						
01701	4	Project Closeout	12/15/05						
01711	4	Project Documentation	12/15/05						

DIVISION 2 : SITE WORK

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
02063	1	Demolition of Asbestos Containing Materials	12/15/05						
02081	6	Removal of Asbestos Containing Materials	12/15/05						
02084	4	Disposal of Asbestos Contained waste Materials	12/15/05						
02805	4	Encapsulation of Asbestos Containing Materials	12/15/05						

DIVISION 3 : CONCRETE

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 4 : MASONRY

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 5 : METALS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 6 : WOOD AND PLASTICS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 7 : THERMAL / MOISTURE PROTECTION

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 8 : DOORS AND WINDOWS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 9 : FINISHES

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 10 : SPECIALTIES

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 11 : EQUIPMENT

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

Initiated by: *lw*
Contractor: _____
Subcontractor: _____

KS

**Georgia Tech Nanotechnology
Project # 11000 Electronics Research Building
Specification Log
Exhibit A**

DIVISION 12: FURNISHINGS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 13: SPECIAL CONSTRUCTION

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 14: CONVEYING SYSTEMS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
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DIVISION 15: MECHANICAL

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 16: ELECTRICAL

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
16665	4	Temporary Service Grounding	12/15/05						

DIVISION: UNKNOWN

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
	4	PCB Removal/Disposal	12/15/2005						
	23	Lead Paint Abatement	12/15/2005						
Appendix A	5	Asbestos Abatement Drawings	NA						

Additional Documents

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
		Final Geotechnical Engineering Report	01/23/2003						
		Revised Supplemental Asbestos Inspection	04/01/2004						
		Limited Asbestos and Lead-Based Paint Survey Report	12/30/2002						

Initiated by:

Contractor:

Subcontractor:

10/10/05

Georgia Tech's Uncertainty

Project: 1000
Neely Building
Drawing Log
Exhibit A

ARCHITECTURE

BLDG	DWG	DESCRIPTION	REVISIONS				
			95% DATE	95% REV.	100% DATE	100% REV.	100% REV.
Neely		Cove Page	NA	NA	12/29/2005	0	
Neely		Site Survey	NA	NA	12/29/2005	0	
Neely	A	1.1 Demolition Plans	NA	NA	12/29/2005	0	
Neely	A	1.2 Demolition Details	NA	NA	12/29/2005	0	
Neely	A	2.1 Plans-New Construction	NA	NA	12/29/2005	0	
Neely	A	2.2 Details - New Construction	NA	NA	12/29/2005	0	
Neely		Existing Neely Drawing Disk			02/10/2005		

Initialed by:

Initialed by: _____
Contractor

Subcontractor _____

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REVISED 2/16/06

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**Georgia Tech Nanotechnology
Project # 11000 Electronics Research Building
Specification Log
Exhibit A**

	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 1 : GENERAL REQUIREMENTS ASBESTOS REMOVAL

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
01013	7	Summary of work	12/15/05						
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01043	6	Project Coordination	12/15/05						
01091	3	Definitions and Standards	12/15/05						
01092	6	Codes and Regulations	12/15/05						
01301	10	Submittals	12/15/05						
01410	7	Air Monitoring and work Area Clearance	12/15/05						
01503	7	Temporary Facilities	12/15/05						
01513	8	Temporary Pressure Differential System	12/15/05						
01526	8	Temporary Enclosures	12/15/05						
01560	6	Worker Protection	12/15/05						
01562	7	Respiratory Protection	12/15/05						
01563	8	Decontamination Units	12/15/05						
01601	3	Materials and Equipment	12/15/05						
01632	3	Product substitutions	12/15/05						
01701	4	Project Closeout	12/15/05						
01711	4	Project Documentation	12/15/05						

DIVISION 2 : SITE WORK

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
02063	1	Demolition of Asbestos Containing Materials	12/15/05						
02081	6	Removal of Asbestos Containing Materials	12/15/05						
02084	4	Disposal of Asbestos Contained waste Materials	12/15/05						
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DIVISION 3 : CONCRETE

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 4 : MASONRY

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 5 : METALS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 6 : WOOD AND PLASTICS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 7 : THERMAL / MOISTURE PROTECTION

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 8 : DOORS AND WINDOWS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 9 : FINISHES

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 10 : SPECIALTIES

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 11 : EQUIPMENT

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

Initial'd by:
Contractor _____
Subcontractor _____

**Georgia Tech Nanotechnology
Project # 11000 Electronics Research Building
Specification Log
Exhibit A**

DIVISION 12: FURNISHINGS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 13: SPECIAL CONSTRUCTION

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 14: CONVEYING SYSTEMS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 15: MECHANICAL

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 16: ELECTRICAL

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
16665	4	Temporary Service Grounding	12/15/05						

DIVISION: UNKNOWN

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
4	PCB Removal/Disposal	12/15/2005							
23	Lead Paint Abatement	12/15/2005							
Appendix A	5	Asbestos Abatement Drawings	NA						

Additional Documents

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
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		Revised Supplemental Asbestos Inspection	04/01/2004						
		Limited Asbestos and Lead-Based Paint Survey Report	12/30/2002						

Initiated by
Contractor _____
Subcontractor _____

[Handwritten signatures/initials]

**Georgia Tech Nanotechnology
Project # 11000
Neely Building
Specification Document Log
Exhibit A**

DIVISION 1 : GENERAL REQUIREMENTS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
01055	3	Full Containment Asbestos Abatement	12/29/05						
01141	10	Summary of Work - Asbestos Abatement	12/29/05						
01142	3	Reference Standards and Definitions	12/29/05						
01143	5	Code Regulations and Standards	12/29/05						
01144	4	Temp Pressure Diff and Cire System	12/29/05						
01145	3	Temporary Enclosure	12/29/05						
01146	1	Entry Into Controlled Spaces	12/29/05						
01148	2	Respiratory Protection	12/29/05						
01149	6	Decontamination Units	12/29/05						
01150	2	Project Decontamination	12/29/05						
01151	4	Proj. Decontamination Cleaning and Decont. Procedures	12/29/05						
01156	5	Glovebags and Mini Enclosures	12/29/05						
01310	4	Construction and Project Documentation	12/29/05						
01732	4	Selective Demolition	12/29/05						
01731	5	Cutting and Patching	12/29/05						
01770	5	Closeout Procedures	12/29/05						

DIVISION 2 : SITE CONSTRUCTION

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
02023	3	Removal of Asbestos Containing Materials	12/29/05						
02024	2	Removal of Lead Containing Materials	12/29/05						
02025	1	Removal of PCB Containing Materials	12/29/05						
02026	1	Removal of Mercury Containing Materials	12/29/05						
02027	1	Disposal of Asbestos Containing Materials	12/29/05						
02028	1	Disposal of Lead Containing Materials	12/29/05						
02029	1	Disposal of PCB/Mercury Containing Materials	12/29/05						
20250	2	Aerosion Sedimentation and Pollution Control	12/29/05						
02110	3	Excavation Filling and Backfilling for Structures	12/29/05						

DIVISION 3 : CONCRETE

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
03300	16	Cast-In-Place Concrete	12/29/05						

DIVISION 4 : MASONRY

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
04800	16	Unit Masonry Assemblies	12/29/05						

DIVISION 5 : METALS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
05500	9	Metal Fabrications	12/29/05						

DIVISION 6 : WOOD AND PLASTICS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 7 : THERMAL / MOISTURE PROTECTION

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
07920	8	Joint Sealants	12/29/05						

DIVISION 8 : DOORS AND WINDOWS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
08800	9	Glazing	12/29/05						

Initiated by

lw

Contractor

Subcontractor

KS

REVISED 2/16/06

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**Georgia Tech Nanotechnology
Project # 11000
Neely Building
Specification Document Log
Exhibit A**

DIVISION 9 : FINISHES

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
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DIVISION 10 : SPECIALTIES

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 11 : EQUIPMENT

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 12: FURNISHINGS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
12484	3	Floor Mats and Frames	12/16/05						

DIVISION 13 : SPECIAL CONSTRUCTION

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 14 : CONVEYING SYSTEMS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

DIVISION 15 : MECHANICAL

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

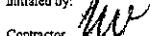
DIVISION 16 : ELECTRICAL

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6

Additional Documents

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
		Final Geotechnical Engineering Report	01/23/2003						
		Abatement Mock Up	11/17/2005						
		Project Update	07/12/2005						
		Combined Environmental Site Assessment and GA Environmental Policy Act	02/10/2005						

Initiated by:



Contractor



Subcontractor

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Exhibit A**

	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
	44	ATC Geotechnical Report - Advanced Clean Room Site	1/23/03						

DIVISION 1 : GENERAL REQUIREMENTS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
01110	6	Clearroom Protocol	12/16/05						
01111	5	Clearroom Special Instructions	12/16/05						
01112	8	Clearroom Certification and Acceptance	12/16/05						
01410	33	Special Inspections	12/16/05						

DIVISION 2 : SITE CONSTRUCTION

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
02050	3	Site Demolition	12/16/05						
02100	3	Site Clearing	12/16/05						
02140	3	Dewatering	12/16/05						
02160	2	Excavation Support Systems	12/16/05						
02200	5	Earthwork	12/16/05						
02212	7	Synthetic Membrane	12/16/05						
02220	7	Building Demolition	12/16/05						
02221	6	Trenching, Backfilling, and Compaction	12/16/05						
02230	3	Pavement Subbase	12/16/05						
02231	5	Tree Protection and Trimming	12/16/05						
02270	3	Temporary Soil Erosion and Water Pollution Control	12/16/05						
02466	7	Drilled Piers	12/16/05						
02511	3	Hot Mix Asphalt Paving	12/16/05						
02512	6	Concrete Sidewalks	12/16/05						
02514	3	Portland Cement Concrete Pavement	12/16/05						
02525	6	Cast-In-Place Curbing	12/16/05						
02580	2	Pavement Removal	12/16/05						
02602	2	Maintenance Of Wastewater Flows	12/16/05						
02605	4	Manholes	12/16/05						
02610	10	Buried Pipe Installation	12/16/05						
02611	2	Reinforced Concrete Pipe	12/16/05						
02612	2	Polyvinyl Chloride Pipe	12/16/05						
02613	3	Ductile Iron Pipe	12/16/05						
02614	3	High Density Polyethylene Natural Gas Pipe	12/16/05						
02619	3	High Density Polyethylene Drainage Pipe	12/16/05						
02620	5	Preinsulated Steel Pipe	12/16/05						
02641	3	Gate Valves, Valve Boxes and Post Indicator Valves	12/16/05						
02646	3	Hydrants	12/16/05						
02721	3	Drainage Structures	12/16/05						
02722	3	Precast Concrete Retention Structure	12/16/05						
02725	3	Underdrains	12/16/05						
02780	8	Unit Pavers	12/16/05						
02813	6	Underground Irrigation System	12/16/05						
02814	7	Pump Station	12/16/05						
02870	2	Site Furnishings and Lighting	12/16/05						
02920	10	Lawns and Grasses	12/16/05						
02930	11	Exterior Plants	12/16/05						

DIVISION 3 : CONCRETE

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
03300	21	Cast-In-Place Concrete	12/16/05						
03450	13	Architectural Precast Concrete	12/16/05						

DIVISION 4 : MASONRY

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
004811	10	Concrete Unit Masonry	12/16/05						
04860	6	Stone Veneer Assemblies	12/16/05						

Initiated by:



Contractor



Georgia Tech Nanotechnology
Project # 11000
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DIVISION 5 : METALS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
05120	11	Structural Steel	12/16/05						
05121	6	Architecturally Exposed Structural Steel	12/16/05						
05310	7	Steel Deck	12/16/05						
05400	7	Cold-Formed Metal Framing	12/16/05						
05500	9	Metal Fabrications	12/16/05						
05511	6	Metal Stairs	12/16/05						
05512	5	Architectural Steel Stairs	12/16/05						
05516	3	Wire Cable Guards	12/16/05						
05521	6	Steel Tube Railings	12/16/05						
05530	8	Metal Grating	12/16/05						
05700	4	Ornamental Steel General Requirements	12/16/05						
05705	7	Ornamental Metals	12/16/05						
05721	8	Ornamental Steel Railings	12/16/05						
05722	7	Ornamental Glass Railings	12/16/05						
05811	5	Architectural Joint Systems	12/16/05						

DIVISION 6 : WOOD AND PLASTICS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
06105	4	Miscellaneous Carpentry	12/16/05						
06402	14	Interior Architectural Woodwork	12/16/05						

DIVISION 7 : THERMAL / MOISTURE PROTECTION

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
07133	5	Thermoplastic Sheet Waterproofing	12/16/05						
07141	5	Cold Fluid-Applied Waterproofing	12/16/05						
07180	5	Traffic Coatings	12/16/05						
07190	3	Water Repellents	12/16/05						
07411	8	Sheet Metal Roofin & Wall Panels	12/16/05						
07412	12	Metal Composite Wall Panels	12/16/05						
07413	8	Copper Screen Wall Panels	12/16/05						
07415	9	Concealed Fastener Metal Wall Panels	12/16/05						
07540	7	Thermoplastic Membrane Roofing	12/16/05						
07630	5	Aluminum Trellis	12/16/05						
07710	4	Roof Specialties	12/16/05						
07716	3	Roof Expansion Assemblies	12/16/05						
07720	5	Roof Accessories	12/16/05						
07760	2	Precast Concrete Roof Pavers	12/16/05						
07841	7	Through-Penetration Firestop Systems	12/16/05						
07842	5	Fire-Resistive Joint Systems	12/16/05						
07843	3	Perimeter Fire Safing	12/16/05						
07920	11	Joint Sealants	12/16/05						

DIVISION 8 : DOORS AND WINDOWS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
08111	9	Standard Steel Doors and Frames	12/16/05						
08151	4	Integrated Metal Door System	12/16/05						
08211	5	Flush Wood Doors	12/16/05						
08301	5	Manual Cleanroom Doors	12/16/05						
08311	5	Access Doors and Frames	12/16/05						
08331	5	Overhead Ceiling Doors	12/16/05						
08411	8	Aluminum-Framed Entrances and Storefronts	12/16/05						
08450	4	All-Glass Entrances	12/16/05						
08460	9	Automatic Entrance Doors	12/16/05						
08633	8	Metal-Framed Skylights	12/16/05						
08711	13	Door Hardware	12/16/05						
08800	11	Glazing	12/16/05						
08810	4	Fire Rated Glass and Framing System	12/16/05						
08830	4	Mirrors	12/16/05						
08911	8	Glazed Aluminum Curtain Walls	12/16/05						

Initiated by:

Contractor:

Subcontractor:

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KS

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Project # 11000
Specification Log
Exhibit A**

DIVISION 9 : FINISHES

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
09215	5	Gypsum Veneer Plaster	12/16/05						
09220	7	Portland Cement Plaster	12/16/05						
09260	11	Gypsum Board Assemblies	12/16/05						
09265	4	Gypsum Board Shaft-Wall Assemblies	12/16/05						
09310	8	Ceramic Tile	12/16/05						
09385	6	Dimension Stone Tile	12/16/05						
09511	5	Acoustical Panel Ceilings	12/16/05						
09515	4	Acoustical Wood Panel Ceilings	12/16/05						
09547	6	Linear Metal Ceilings	12/16/05						
09638	10	Stone Paving and Flooring	12/16/05						
09650	6	Cleanroom Resilient Flooring	12/16/05						
09651	4	Resilient Floor Tile	12/16/05						
09653	4	Resilient Wall-Base and Accessories	12/16/05						
09671	4	Resinous Flooring	12/16/05						
09673	4	Deck Traffic Coating	12/16/05						
09680	4	Carpet	12/16/05						
09771	4	Fabric-Wrapped Panels	12/16/05						
09911	10	Painting	12/16/05						
09960	5	High Performance Coatings	12/16/05						

DIVISION 10 : SPECIALTIES

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
10101	4	Visual Display Boards	12/16/05						
10155	3	Toilet Compartments	12/16/05						
10200	5	Louvers	12/16/05						
10240	3	Architectural Screens	12/16/05						
10265	3	Impact-Resistant Wall-Protection	12/16/05						
10431	4	Signs	12/16/05						
10505	4	Metal Lockers	12/16/05						
10520	4	Fire-Protection Specialties	12/16/05						
10651	6	Operable Panel Partitions	12/16/05						
10720	3	Aluminum Louver Sunscreens	12/16/05						
10801	6	Toilet and Bath Accessories	12/16/05						

DIVISION 11 : EQUIPMENT

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
11132	3	Projection Screens	12/16/05						
11160	6	Loading Dock Equipment	12/16/05						
11200	34	Ultrapure Water System	12/16/05						
11260	12	Industrial Wastewater Treatment System	12/16/05						
11261	12	Chemical Metering Pump System	12/16/05						
11265	13	Solvent Waste System	12/16/05						
11300	10	Process Cooling Water System	12/16/05						
11510	11	Bulk Gas System	12/16/05						
11520	22	Packed Scrubber System	12/16/05						
11550	11	Clean Dry Air System	12/16/05						
11560	9	Process Vacuum System	12/16/05						
11601	12	Fume Hoods and Other Air Containment Units	12/16/05						
11602	41	Laboratory Casework and Other Furnishings	12/16/05						
11604	10	Laboratory Service Fittings and Fixtures	12/16/05						
11605	6	Laboratory Equipment	12/16/05						

DIVISION 12: FURNISHINGS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
12484	3	Floor Mats and Frames	12/16/05						

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DIVISION 13 : SPECIAL CONSTRUCTION

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
13019	4	Ceiling Grid Support System	12/16/05						
13020	6	Gasketed Cleanroom Ceiling Grid System	12/16/05						
13036	7	Cleanroom Wall Systems	12/16/05						
13059	12	Cleanroom Access Flooring	12/16/05						
13070	4	Cleanroom Pass-Through	12/16/05						
13100	3	Lightning Protection	12/16/05						
13915	25	Fire-Suppression Piping	12/16/05						
13921	11	Electric-Drive, Centrifugal Fire Pumps	12/16/05						

DIVISION 14 : CONVEYING SYSTEMS

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
14120	7	Dumbwaiter	12/16/05						
14240	9	Hydraulic Service Elevator	12/16/05						
14245	8	Hydraulic Freight Elevator	12/16/05						

DIVISION 15 : MECHANICAL

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
15010	12	General Mechanical Provision	12/16/05						
15050	16	Basic Mechanical Materials and Methods	12/16/05						
15055	6	Motors	12/16/05						
15060	12	Hangers and Supports	12/16/05						
15071	15	Mechanical Vibration Controls	12/16/05						
15075	8	Mechanical Identification	12/16/05						
15081	11	Duct Insulation	12/16/05						
15082	9	Equipment Insulation	12/16/05						
15083	15	Pipe Insulation	12/16/05						
15110	10	Valves	12/16/05						
15121	6	Pipe Expansion Fittings and Loops	12/16/05						
15122	9	Meter and Gages	12/16/05						
15143	7	Process Vacuum Piping	12/16/05						
15181	28	Hydronic Piping	12/16/05						
15182	24	Steam and Condensate Piping	12/16/05						
15183	8	Refrigerant Piping	12/16/05						
15185	8	Hydronic Pumps	12/16/05						
15189	11	HVAC Water Treatment	12/16/05						
15194	9	Fuel Gas Piping	12/16/05						
15211	9	Bulk Gas Piping	12/16/05						
15212	15	Stainless Steel Piping (Cleaned for Oxygen Service)	12/16/05						
15213	19	Process Gas Piping	12/16/05						
15214	10	Stainless Steel Piping	12/16/05						
15219	6	Liquid Nitrogen Piping	12/16/05						
15223	12	Industrial Wastewater Piping	12/16/05						
15229	10	Ultrapure Water Piping	12/16/05						
15230	10	Deionized Water Piping	12/16/05						
15410	11	Plumbing Piping	12/16/05						
15430	8	Plumbing Specialties	12/16/05						
15440	6	Plumbing Fixtures	12/16/05						
15450	4	Plumbing Equipment	12/16/05						
15485	7	Electric Water Heaters	12/16/05						
15625	10	Centrifugal Water Chillers	12/16/05						
15635	5	Refrigerant Monitoring and Safety Plan	12/16/05						
15641	7	Open-Circuit, Mechanical-Draft Cooling Towers	12/16/05						
15711	4	Shell and Tube Heat Exchangers	12/16/05						
15715	15	Cleanroom Make-up Air Handling Units	12/16/05						
15716	13	Cleanroom Recirculation Air Handling Units	12/16/05						
15717	8	Filter Fan Units	12/16/05						
15718	6	Ducted Terminal ULPA Filters	12/16/05						
15725	9	Modular Indoor Air-Handling Units	12/16/05						
15738	6	Slit System Air Conditioning Units	12/16/05						
15761	4	Air Coils	12/16/05						
15763	5	Fan-Coil Units	12/16/05						
15766	6	Unit Heaters	12/16/05						
15769	4	Radiant Heating and Cooling Panels	12/16/05						
15815	13	Metal Ducts	12/16/05						
15820	13	Duct Accessories	12/16/05						
15832	8	Corrosive Exhaust Fans	12/16/05						

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15836	6	Axial Fans	12/16/05					
15838	10	Power Ventilators	12/16/05					
15840	6	Air Terminal Units	12/16/05					
15855	3	Diffusers, Registers, and Grills	12/16/05					
15861	5	Air Filters	12/16/05					
15884	9	Exhaust Duct - Coated Stainless Steel	12/16/05					
15900	31	HVAC Instrumentation and Controls	12/16/05					
15950	27	Testing, Adjusting, and Balancing	12/16/05					

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DIVISION 16 : ELECTRICAL

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
16010	10	Basic Electrical Requirements	12/16/05						
16015	7	Power System Study	12/16/05						
16050	17	Basic Electrical Materials and Methods	12/16/05						
16060	3	Grounding System	12/16/05						
16124	4	Medium Voltage Cables	12/16/05						
16139	6	Cable Trays	12/16/05						
16141	3	Floor Boxes and Poke Thru Devices	12/16/05						
16231	15	Packed Engine Generator	12/16/05						
16269	9	Variable Frequency Drives	12/16/05						
16272	6	Pad Mounted Liquid-Filled Transformers	12/16/05						
16289	8	Transient Voltage Suppression	12/16/05						
16341	7	Medium Voltage Switchgear	12/16/05						
16410	3	Safety & Disconnect Switches	12/16/05						
16420	6	Motor Starters	12/16/05						
16422	11	Spot Network Equipment	12/16/05						
16442	8	Panelboards	12/16/05						
16461	4	Dry Type Transformers	12/16/05						
16495	8	Automatic Transfer and Bypass / Isolation Switches	12/16/05						
16500	11	Lighting Fixtures	12/16/05						
16505	4	Lighting Inverter System	12/16/05						
16510	18	Architectural Lighting Fixtures	12/16/05						
16511	16	Dimming Systems	12/16/05						
16700	4	Telephone and Data Pathways	12/16/05						
16726	2	Wiring Plant Labeling	12/16/05						
16727	2	Interior Fiber Optic Cable Labeling	12/16/05						
16728	2	Outside Plant Fiber Optic Cable Labeling	12/16/05						
16729	9	Voice & Data Wiring Systems	12/16/05						
16730	6	Interior Fiber Optic Cable	12/16/05						
16731	6	Outside Plant Fiber Optic Cable	12/16/05						
16735	6	CATV Network Wiring System	12/16/05						
16740	4	Electronic Door Control System	12/16/05						
16742	8	Closed Circuit Television	1/17/06						
16751	13	Smoke Detection and Fire Alarm System	12/16/05						
16752	8	Hazardous Product Monitoring and Hazard Notification System	12/16/05						
16754	3	Liquid Chemicals Leak Detection System	12/16/05						

DIVISION 17 : LV

SECTION #	PAGES	DESCRIPTION	DATE	REVISIONS					
				1	2	3	4	5	6
17400	8	FMCS System Integration	12/16/2005						

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Contractor  

Subcontractor _____

Original Issue: none
 Project #: 1000
 Drawing Log
 Exhibit A

GENERAL

BLDG	DWG	DESCRIPTION	95% DATE	95% REV.	100% DATE	100% REV.	REVISIONS				
							1	2	3	4	5
	G 000	Cover Sheet Volume I	10/21/2005	D	12/16/2005	0					
	G 002	Drawing Index Volume I	10/21/2005	C	12/16/2005	0					
	G 003	Drawing Index Volume II	10/21/2005	A	12/16/2005	0					
	G 100	Occupancy Designations & Regulatory Requirements	10/21/2005	D	12/16/2005	0					
	G 200	Life Safety Plan Level 0	10/21/2005	D	12/16/2005	0					
	G 210	Life Safety Plan Level 1	10/21/2005	D	12/16/2005	0					
	G 220	Life Safety Plan Level 2	10/21/2005	D	12/16/2005	0					
	G 230	Life Safety Plan Level 3	10/21/2005	D	12/16/2005	0					
	G 240	Life Safety Plan Level 4	10/21/2005	D	12/16/2005	0					
	G 400	Sensitive Environments Criteria	10/21/2005	D	12/16/2005	0					

Initiated by:

Contractor John

Subcontractor CS

TT0000005248

Georgia Tech Project 1000
Drawing Log
Exhibit A

DEMOLITION

Initialed by:

Contractor the Subcontractor

Initiated by: ____
Contractor ____
Subcontractor ____

Subcontractor

2 of 29

REVISED 2/16/06

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Georgia Tech Biotechnology
Project : 1000
Drawing Log
Exhibit A

EROSION CONTROL

Initialed by:

Initialed by: /

Contractor
Subcontractor

Subcontractor

3 of 29

REVISED 2/16/06

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Georgia Tech R&D Technology
Project 1000
Drawing Log
Exhibit A

SURVEY DRAWINGS

BLDG	DWG	DESCRIPTION	95% DATE	100% DATE	REVISIONS
	1 of 2	Boundary Survey	03/02/2004	03/02/2004	
	2 of 2	Boundary Survey	03/02/2004	03/02/2004	
	1 of 2	Existing Conditions	03/02/2004	03/02/2004	
	2 of 2	Existing Conditions	03/02/2004	03/02/2004	

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Contractor LLC

Subcontractor _____


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REVISED 2/16/06

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Georgia Tech Photogrammetry
 Project 1000
 Drawing Log
 Exhibit A

CIVIL ENGINEERING

BLDG	DWG	DESCRIPTION	95%	95%	100%	100%	REV.	REVISIONS				
			DATE	REV.	DATE	REV.		1	2	3	4	5
C	010	General Notes	10/21/05	C	12/16/2005							
C	101	Site Plan	10/21/05	C	12/16/2005							
C	102	Grading Plan	10/21/05	D	12/16/2005							
C	103	Utility Plan	10/21/05	D	12/16/2005							
C	104	Pipe Profiles	10/21/05	A	12/16/2005							
C	300	Details	10/21/05	B	12/16/2005							
C	301	Details	10/21/05	B	12/16/2005							
C	302	Details	10/21/05	B	12/16/2005							

Initiated by:

luu

Contractor _____
 Subcontractor _____

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Georgia Tech University
 Project 1000
 Drawing Log
 Exhibit A

LANDSCAPE ARCHITECTURE

BLDG	DWG	DESCRIPTION	95%	95%	100%	100%	REV.	1	2	3	4	5
			DATE	REV.	DATE	REV.						
	L 100	Site Plan	10/21/2005	D	12/16/2005	0						
	L 110	Planting Plan	10/21/2005	C	12/16/2005	0						
	L 120	Irrigation Plan	10/21/2005	C	12/16/2005	0						
	L 121	Irrigation Sleevng Plan	10/21/2005	C	12/16/2005	0						
	L 200	Site Plan Enlargement Northwest Quadrant	10/21/2005	C	12/16/2005	0						
	L 201	Site Plan Enlargement Southwest Quadrant	10/21/2005	C	12/16/2005	0						
	L 202	Site Plan Enlargement Northeast Quadrant	10/21/2005	C	12/16/2005	0						
	L 203	Site Plan Enlargement Southeast Quadrant	10/21/2005	C	12/16/2005	0						
	L 210	Planting Plan Enlargement Northwest Quadrant	10/21/2005	C	12/16/2005	0						
	L 211	Planting Plan Enlargement Southwest Quadrant	10/21/2005	C	12/16/2005	0						
	L 212	Planting Plan Enlargement Northwest Quadrant	10/21/2005	C	12/16/2005	0						
	L 213	Planting Plan Enlargement Southeast Quadrant	10/21/2005	C	12/16/2005	0						
	L 300	Sections and Elevations	10/21/2005	C	12/16/2005	0						
	L 301	Sections and Elevations	10/21/2005	D	12/16/2005	0						
	L 500	Hardscape Details	10/21/2005	C	12/16/2005	0						
	L 501	Hardscape Details	10/21/2005	C	12/16/2005	0						
	L 502	Hardscape Details	10/21/2005	C	12/16/2005	0						
	L 503	Hardscape Details	10/21/2005	C	12/16/2005	0						
	L 504	Hardscape Details	10/21/2005	C	12/16/2005	0						
	L 505	Hardscape Details	10/21/2005	C	12/16/2005	0						
	L 510	Planting Details	10/21/2005	C	12/16/2005	0						
	L 520	Irrigation Details	10/21/2005	C	12/16/2005	0						
	L 521	Irrigation Pumping Details	10/21/2005	A	12/16/2005	0						

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Contractor *JLW*

Subcontractor *TC*

Georgia Tech University
 Project 1000
 Drawing Log
 Exhibit A

ARCHITECTURE

BLDG	DWG	DESCRIPTION	95%	95%	100%	100%	REV.	1	2	3	4	5
			DATE	REV.	DATE	REV.						
A	001	Architectural Notes, Symbols & Abbreviations	10/21/05	D	12/16/2005	0						
A	100	Overall Floor Plan Level 0	10/21/05	D	12/16/2005	0						
A	110	Overall Floor Plan Level 1	10/21/05	D	12/16/2005	0						
A	120	Overall Floor Plan Level 2	10/21/05	D	12/16/2005	0						
A	130	Overall Floor Plan Level 3	10/21/05	D	12/16/2005	0						
A	140	Overall Floor Plan Level 4	10/21/05	D	12/16/2005	0						
A	150	Overall Roof Plan	10/21/05	D	12/16/2005	0						
A	201	Floor Plan Level 0, Sector 1	10/21/05	C	12/16/2005	0						
A	202	Floor Plan Level 0, Sector 2	10/21/05	C	12/16/2005	0						
A	203	Floor Plan Level 0, Sector 3	10/21/05	C	12/16/2005	0						
A	204	Floor Plan Level 0, Sector 4	10/21/05	D	12/16/2005	0						
A	205	Floor Plan Level 0, Sector 5	10/21/05	C	12/16/2005	0						
A	206	Floor Plan Level 0, Sector 6	10/21/05	B	12/16/2005	0						
A	211	Floor Plan Level 1, Sector 1	10/21/05	C	12/16/2005	0						
A	212	Floor Plan Level 1, Sector 2	10/21/05	C	12/16/2005	0						
A	213	Floor Plan Level 1, Sector 3	10/21/05	C	12/16/2005	0						
A	214	Floor Plan Level 1, Sector 4	10/21/05	C	12/16/2005	0						
A	215	Floor Plan Level 1, Sector 5	10/21/05	C	12/16/2005	0						
A	216	Floor Plan Level 1, Sector 6	10/21/05	B	12/16/2005	0						
A	221	Floor Plan Level 2, Sector 1	10/21/05	C	12/16/2005	0						
A	222	Floor Plan Level 2, Sector 2	10/21/05	C	12/16/2005	0						
A	223	Floor Plan Level 2, Sector 3	10/21/05	C	12/16/2005	0						
A	224	Floor Plan Level 2, Sector 4	10/21/05	C	12/16/2005	0						
A	225	Floor Plan Level 2, Sector 5	10/21/05	C	12/16/2005	0						
A	226	Floor Plan Level 2, Sector 6	10/21/05	B	12/16/2005	0						
A	234	Floor Plan Level 3, Sector 4	10/21/05	C	12/16/2005	0						
A	235	Floor Plan Level 3, Sector 5	10/21/05	B	12/16/2005	0						
A	244	Floor Plan Level 4, Sector 4	10/21/05	C	12/16/2005	0						
A	245	Floor Plan Level 4, Sector 5	10/21/05	B	12/16/2005	0						
A	301	Building Elevations South & East	10/21/05	D	12/16/2005	0						
A	302	Building Elevations North & West	10/21/05	D	12/16/2005	0						
A	303	Enlarged Elevations Cleanroom South	10/21/05	C	12/16/2005	0						
A	304	Enlarged Elevations Lab / Office South	10/21/05	B	12/16/2005	0						
A	305	Enlarged Elevations Lab / Office / Gallery East	10/21/05	B	12/16/2005	0						

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lu
 Contractor _____

SS
 Subcontractor _____

Georgia Tech - Biotechnology
 Project # 1000
 Drawing Log

Exhibit A

A	306	Enlarged Elevations Lab, Office, Gallery North	10/21/05	B	12/16/2005	0
A	307	Enlarged Elevations Cleanroom North	10/21/05	B	12/16/2005	0
A	308	Enlarged Elevations Cleanroom West	10/21/05	B	12/16/2005	0
A	309	Enlarged Elevations Cleanroom West	10/21/05	B	12/16/2005	0
A	311	Building Sections East-West	10/21/05	D	12/16/2005	0
A	312	Interior Elevations / Sections Gallery	10/21/05	D	12/16/2005	0
A	313	Interior Elevations / Sections Gallery	10/21/05	D	12/16/2005	0
A	314	Building Sections Lab Office	10/21/05	D	12/16/2005	0
A	321	Enlarged Building Sections North & South Screen Walls	10/21/05	D	12/16/2005	0
A	322	Enlarged Building Sections West Screen Wall	10/21/05	D	12/16/2005	0
A	323	Enlarged Building Sections Lab Office	10/21/05	D	12/16/2005	0
A	324	Enlarged Building Sections Gallery	10/21/05	D	12/16/2005	0
A	325	Enlarged Building Sections Gallery North	10/21/05	C	12/16/2005	0
A	326	Enlarged Building Section Gallery South	10/21/05	C	12/16/2005	0
A	327	Enlarged Building Sections Gallery South	10/21/05	C	12/16/2005	0
A	328	Enlarged Building Sections Gallery South	10/21/05	B	12/16/2005	0
A	331	Wall Sections Cleanroom Building	10/21/05	B	12/16/2005	0
A	332	Wall Sections Cleanroom Building	10/21/05	B	12/16/2005	0
A	333	Wall Sections Lab / Office	10/21/05	B	12/16/2005	0
A	334	Enlarged Sections / Plans	10/21/05	B	12/16/2005	0
A	335	Enlarged Building Section @ Lab Office	10/21/05	B	12/16/2005	0
A	336	Wall Sections Stair E	10/21/05	B	12/16/2005	0
A	337	Wall Sections Gallery	10/21/05	A	12/16/2005	0
A	341	Detail Sections Gallery East	10/21/05	A	12/16/2005	0
A	342	Enlarged Plans Gallery South	10/21/05	A	12/16/2005	0
A	343	Detail Sections Gallery South	10/21/05	A	12/16/2005	0
A	344	Detail Elevations Gallery West	10/21/05	A	12/16/2005	0
A	345	Enlarged Plans Gallery North	10/21/05	A	12/16/2005	0
A	346	Detail Sections Gallery North	10/21/05	A	12/16/2005	0
A	347	Detail Sections Gallery North	10/21/05	A	12/16/2005	0
A	348	Enlarged CLG / Roof Plans Gallery / East Entry	10/21/05	B	12/16/2005	0
A	351	Typical Section Details Cleanroom Building	10/21/05	B	12/16/2005	0
A	352	Plan and Section Details Cleanroom Building	10/21/05	B	12/16/2005	0
A	353	Plan and Section Details Cleanroom Building	10/21/05	B	12/16/2005	0
A	354	Plan Details Cleanroom Building	10/21/05	B	12/16/2005	0
A	355	Plan Details Cleanroom Building	10/21/05	B	12/16/2005	0
A	361	Typical Details @ Lab / Office	10/21/05	B	12/16/2005	0

Initiated by:

John

Contractor _____
 Subcontractor _____

Urgigia Inc. - Architecture
Project # 1000
Drawing Log

Exhibit A

A	362	Typical Details @ Lab / Office	10/21/05	B	12/16/2005	0			
A	363	Exterior Details Lab / Office	10/21/05	B	12/16/2005	0			
A	364	Exterior Details Lab / Office	10/21/05	B	12/16/2005	0			
A	366	Exterior Details Lab / Office BLDG	10/21/05	B	12/16/2005	0			
A	368	Typical Details Curtainwall	10/21/05	B	12/16/2005	0			
A	371	Section Details Gallery East	10/21/05	B	12/16/2005	0			
A	372	Section Details Level 3 - Terrace	10/21/05	B	12/16/2005	0			
A	373	Section Details Gallery South	10/21/05	B	12/16/2005	0			
A	374	Plan Details Gallery South	10/21/05	B	12/16/2005	0			
A	375	Section Details Gallery - West	10/21/05	B	12/16/2005	0			
A	376	Section Details Gallery North	10/21/05	A	12/16/2005	0			
A	377	Section Details Gallery North	10/21/05	A	12/16/2005	0			
A	378	Section Details Gallery North / East	10/21/05	A	12/16/2005	0			
A	379	Section Details Movement Joint	10/21/05	A	12/16/2005	0			
A	381	Screen Wall Schedule - South	10/21/05	A	12/16/2005	0			
A	382	Screen Wall Schedule West	10/21/05	A	12/16/2005	0			
A	383	Screen Wall Schedule Angled	10/21/05	A	12/16/2005	0			
A	384	Screen Wall Schedule North	10/21/05	A	12/16/2005	0			
A	385	Miscellaneous Exterior Details	10/21/05	A	12/16/2005	0			
A	388	Roof Details	10/21/05	A	12/16/2005	0			
A	389	Roof Detail	10/21/05	A	12/16/2005	0			
A	390	Roof Details	10/21/05	B	12/16/2005	0			
A	391	Curtainwall Schedule Area A	10/21/05	B	12/16/2005	0			
A	392	Curtainwall Schedule Area B	10/21/05	B	12/16/2005	0			
A	393	Curtainwall Schedule Area C	10/21/05	B	12/16/2005	0			
A	394	Curtainwall Schedule Area D,E	10/21/05	B	12/16/2005	0			
A	395	Curtainwall Schedule F	10/21/05	B	12/16/2005	0			
A	396	Curtainwall Schedule Area G	10/21/05	B	12/16/2005	0			
A	397	Curtainwall Schedule Areas H,I,J,M,N,S,T,V,W	10/21/05	C	12/16/2005	0			
A	398	Curtainwall Schedule Areas L,J,P,Q,R,AA,EE,GG	10/21/05	C	12/16/2005	0			
A	399	Curtainwall Schedule Areas HH,JJ	10/21/05	C	12/16/2005	0			
A	510	Freight Elevator Plans, Section & Details	10/21/05	C	12/16/2005	0			
A	511	Passenger Elevator Plans, Sections & Details	10/21/05	C	12/16/2005	0			
A	512	Elevator Cab Plans, Sections & Details	10/21/05	C	12/16/2005	0			
A	520	Toilet Plans, Elevations, Details & Schedules	10/21/05	C	12/16/2005	0			
A	521	Toilet Plans & Elevations	10/21/05	C	12/16/2005	0			
A	522	Toilet Finish Plans	10/21/05	C	12/16/2005	0			

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Project # 000
Drawing Log

Exhibit A

A	530	Stair "A" Plans and Sections	10/21/05	C	12/16/2005	0
A	531	Stair "B" Plans and Details	10/21/05	C	12/16/2005	0
A	532	Stairs "B" - "C" Sections and Details	10/21/05	C	12/16/2005	0
A	533	Stair "D" Plans, Section and Details	10/21/05	C	12/16/2005	0
A	534	Stair "E" Plans, Section and Details	10/21/05	C	12/16/2005	0
A	537	Stair Details, Stair "A" and Stair "B/C"	10/21/05	B	12/16/2005	0
A	538	Stair Details Stair A	10/21/05	C	12/16/2005	0
A	541	Interior Elevations, Sector 4 Level 1	10/21/05	C	12/16/2005	0
A	542	Interior Elevations, Sector 4 Level 1	10/21/05	C	12/16/2005	0
A	543	Interior Elevations, Sector 4 Level 2	10/21/05	C	12/16/2005	0
A	544	Ceiling Details	10/21/05	A	12/16/2005	0
A	545	Interior Details	10/21/05	C	12/16/2005	0
A	561	Room Finish Schedule Levels 0, 1 & 2	10/21/05	C	12/16/2005	0
A	571	Interior Partition Details	10/21/05	C	12/16/2005	0
A	581	Door Schedule	10/21/05	C	12/16/2005	0
A	582	Door Head and Jamb Details	10/21/05	A	12/16/2005	0
A	600	Overall Reflected Ceiling Plan Level 0	10/21/05	B	12/16/2005	0
A	604	Reflected Ceiling Plan Sector 4, Level 0	10/21/05	C	12/16/2005	0
A	605	Reflected Ceiling Plan Sector 5, Level 0	10/21/05	B	12/16/2005	0
A	610	Overall Reflected Ceiling Plan Level 1	10/21/05	B	12/16/2005	0
A	614	Reflected Ceiling Plan Sector 4, Level 1	10/21/05	C	12/16/2005	0
A	615	Reflected Ceiling Plan Sector 5, Level 1	10/21/05	B	12/16/2005	0
A	620	Overall Reflected Ceiling Plan Level 2	10/21/05	B	12/16/2005	0
A	624	Reflected Ceiling Plan Sector 4, Level 2	10/21/05	C	12/16/2005	0
A	625	Reflected Ceiling Plan Sector 5, Level 2	10/21/05	B	12/16/2005	0
A	810	Overall Cleanroom Waffle Table Plan Level 1	10/21/05	C	12/16/2005	0
A	811	Cleanroom Waffle Table Plan Level 1, Sector 1	10/21/05	C	12/16/2005	0
A	812	Cleanroom Waffle Table Plan Level 1, Sector 2	10/21/05	C	12/16/2005	0
A	813	Cleanroom Waffle Table Plan Level 1, Sector 3	10/21/05	C	12/16/2005	0
A	821	Cleanroom Reflected Ceiling Plan Level 1, Sector 1	10/21/05	C	12/16/2005	0
A	822	Cleanroom Reflected Ceiling Plan Level 1, Sector 2	10/21/05	C	12/16/2005	0
A	823	Cleanroom Ceiling Plan Level 1, Sector 3	10/21/05	C	12/16/2005	0
A	830	Overall Cleanroom Ceiling Grid Support Plan Level 1	10/21/05	B	12/16/2005	0
A	831	Cleanroom Ceiling Grid Support Plan Level 1, Sector 1	10/21/05	C	12/16/2005	0
A	832	Cleanroom Ceiling Grid Support Plan Level 1, Sector 2	10/21/05	C	12/16/2005	0
A	833	Cleanroom Ceiling Grid Support Plan Level 1, Sector 3	10/21/05	C	12/16/2005	0
A	870	Cleanroom Sections / Elevations	10/21/05	C	12/16/2005	0

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 Project # 1000
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 Exhibit A

	A	871	Cleanroom Sections / Elevations	10/21/05	B	12/16/2005	0
	A	872	Cleanroom Interior Elevations	10/21/05	B	12/16/2005	0
	A	890	Cleanroom Details	10/21/05	C	12/16/2005	0
	A	891	Cleanroom Details	10/21/05	A	12/16/2005	0
	A	892	Cleanroom Details			12/16/2005	0
	A	893	Cleanroom Details			12/16/2005	0
	A	894	Cleanroom Details			12/16/2005	0
	A	901	Laboratory Furnishings General Notes, Legends & Abb.	10/21/05	D	12/16/2005	0
	A	911	Laboratory Furnishings Floor Plan, Sector 1 Level 1			12/16/2005	0
	A	924	Laboratory Furnishings Floor Plan, Sector 4 Level 2	10/21/05	D	12/16/2005	0
	A	951	Laboratory Furnishings Casework Elevations	10/21/05	C	12/16/2005	0
	A	952	Laboratory Furnishings Elevations	10/21/05	C	12/16/2005	0
	A	961	Laboratory Furnishings Details	10/21/05	B	12/16/2005	0
	A	962	Laboratory Furnishings Details	10/21/05	B	12/16/2005	0
	A	963	Laboratory Furnishings Details	10/21/05	B	12/16/2005	0
	A	964	Laboratory Furnishings Details	10/21/05	B	12/16/2005	0
	A	965	Laboratory Furnishings Details	10/21/05	B	12/16/2005	0
	A	971	Laboratory Furnishings Schedules	10/21/05	B	12/16/2005	0

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Project # 1000

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Exhibit A

INDUSTRIAL ENGINEERING

BLDG	DWG	DESCRIPTION	75% DATE	75% REV.	100% DATE	100% REV.	REVISIONS				
							1	2	3	4	5
Q 201		Equipment Plan Level 0, Sector 1	07/29/2005	C	12/16/2005						
Q 202		Equipment Plan Level 0, Sector 2	07/29/2005	C	12/16/2005						
Q 203		Equipment Plan Level 0, Sector 3	07/29/2005	C	12/16/2005						
Q 211		Equipment Plan Level 1, Sector 1	07/29/2005	C	12/16/2005						
Q 212		Equipment Plan Level 1, Sector 2	07/29/2005	C	12/16/2005						
Q 213		Equipment Plan Level 1, Sector 3	07/29/2005	C	12/16/2005						

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 Exhibit A

STRUCTURAL ENGINEERING

BLDG	DWG	DESCRIPTION	DATE	REV.	75% DATE	75% REV.	100% DATE	100% REV.	REVISIONS				
									1	2	3	4	5
	S 001	General Structural Notes and Legend	07/29/2005	B	12/16/2005		0						
	S 100	Overall Foundation and Gdrilled Pier Plan Level 0	07/29/2005	C	12/16/2005		0						
	S 110	Framing Plan Level 1	07/29/2005	C	12/16/2005		0						
	S 120	Framing Plan Level 2	07/29/2005	C	12/16/2005		0						
	S 130	Framing Plan Level 3	07/29/2005	C	12/16/2005		0						
	S 201	Foundation Plan Level 0, Sector 1	07/29/2005	B	12/16/2005		0						
	S 202	Foundation Plan Level 0, Sector 2	07/29/2005	B	12/16/2005		0						
	S 203	Foundation Plan Level 0, Sector 3	07/29/2005	B	12/16/2005		0						
	S 204	Floor Plan Level 0, Sector 4	07/29/2005	B	12/16/2005		0						
	S 205	Floor Plan Level 0, Sector 5	07/29/2005	A	12/16/2005		0						
	S 206	Foundation Plan Level 0, Sector 6	07/29/2005	B	12/16/2005		0						
	S 211	Framing Plan Level 1, Sector 1	07/29/2005	B	12/16/2005		0						
	S 212	Framing Plan Level 1, Sector 2	07/29/2005	B	12/16/2005		0						
	S 213	Framing Plan Level 1, Sector 3	07/29/2005	B	12/16/2005		0						
	S 214	Floor Plan Level 1, Sector 4	07/29/2005	B	12/16/2005		0						
	S 215	Floor Plan Level 1, Sector 5	07/29/2005	B	12/16/2005		0						
	S 216	Framing Plan Level 1, Sector 6	07/29/2005	B	12/16/2005		0						
	S 221	Floor Plan Level 2, Sector 1	07/29/2005	B	12/16/2005		0						
	S 222	Floor Plan Level 2, Sector 2	07/29/2005	B	12/16/2005		0						
	S 223	Floor Plan Level 2, Sector 3	07/29/2005	B	12/16/2005		0						
	S 224	Floor Plan Level 2, Sector 4	07/29/2005	B	12/16/2005		0						
	S 225	Floor Plan, Level 2, Sector 5	07/29/2005	B	12/16/2005		0						
	S 226	Framing Plan Level 2, Sector 6	07/29/2005	B	12/16/2005		0						
	S 231	Floor Plan Level 3, Sector 1	07/29/2005	B	12/16/2005		0						
	S 232	Floor Plan Level 3, Sector 2	07/29/2005	B	12/16/2005		0						
	S 233	Floor Plan Level 3, Sector 3	07/29/2005	B	12/16/2005		0						
	S 234	Floor Plan Level 3, Sector 4	07/29/2005	B	12/16/2005		0						
	S 235	Floor Plan Level 3, Sector 5	07/29/2005	B	12/16/2005		0						
	S 236	Floor Plan Level 3, Sector 6	07/29/2005	B	12/16/2005		0						
	S 244	Floor Plan Level 4, Sector 4	07/29/2005	B	12/16/2005		0						
	S 245	Floor Plan Level 4, Sector 5	07/29/2005	B	12/16/2005		0						
	S 254	Floor Plan Level 5, Sector 4	07/29/2005	B	12/16/2005		0						
	S 255	Floor Plan Level 5, Sector 5	07/29/2005	B	12/16/2005		0						
	S 264	Framing Plan Roof/Top Equipment Screen, Sector 4 & 5											

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Georgia Tech Technology
Project # 000
Drawing Log

Exhibit A

S	300	Cleanroom Ground Level Drilled Pier Details and Schedule	07/29/2005	B	12/16/2005	0
S	301	Cleanroom Concrete Slab on Grade and Misc. Details	07/29/2005	A	12/16/2005	0
S	302	Cleanroom Level 1 Concrete Slab and Beam Schedule and Details	07/29/2005	A	12/16/2005	0
S	303	Cleanroom Concrete Column Schedule and Details	07/29/2005	B	12/16/2005	0
S	304	Cleanroom Shear Wall Schedule and Details	07/29/2005	B	12/16/2005	0
S	305	Cleanroom Sections & Details	07/29/2005	B	12/16/2005	0
S	306	Cleanroom Sections & Details	07/29/2005	B	12/16/2005	0
S	307	Cleanroom Sections and Details	07/29/2005	A	12/16/2005	0
S	308	Miscellaneous Concrete Sections and Details	07/29/2005	A	12/16/2005	0
S	309	Tank Farm Enclosure Walls & Details	07/29/2005	A	12/16/2005	0
S	310	Overall Foundation Interference Plan Level 0	07/29/2005	A	12/16/2005	0
S	400	Lab Office / Gallery Pile & Grade Beam Schedule	07/29/2005	B	12/16/2005	0
S	402	Lab Office Concrete Slab and Beam Schedules & Details	07/29/2005	B	12/16/2005	0
S	403	Lab Office Concrete Column Schedule, Footing Schedule and Details	07/29/2005	B	12/16/2005	0
S	404	Lab Office / Gallery Sections and Details	07/29/2005	B	12/16/2005	0
S	405	Lab Office / Gallery Sections and Details	07/29/2005	B	12/16/2005	0
S	406	Lab Office / Gallery Sections and Details	07/29/2005	B	12/16/2005	0
S	407	Lab Office / Gallery Sections and Details	07/29/2005	B	12/16/2005	0
S	408	Lab Office / Gallery Sections and Details	07/29/2005	B	12/16/2005	0
S	421	Lab Office Typical Concrete Details I	07/29/2005	B	12/16/2005	0
S	500	Steel Column Schedule & Details	07/29/2005	B	12/16/2005	0
S	501	Steel Sections & Details	07/29/2005	B	12/16/2005	0
S	502	Steel Sections & Details	07/29/2005	B	12/16/2005	0
S	503	Steel Sections & Details	07/29/2005	B	12/16/2005	0
S	504	Steel Sections & Details	07/29/2005	B	12/16/2005	0
S	505	Steel Sections & Details	07/29/2005	B	12/16/2005	0
S	506	Steel Sections & Details	07/29/2005	B	12/16/2005	0
S	507	Steel Sections & Details	07/29/2005	B	12/16/2005	0
S	508	Steel Sections & Details	07/29/2005	B	12/16/2005	0
S	509	Steel Sections & Details	07/29/2005	B	12/16/2005	0
S	510	Steel Sections & Details	07/29/2005	B	12/16/2005	0
S	511	Equipment Screen Sections & Details	07/29/2005	B	12/16/2005	0
S	518	Steel Moment Connection Schedule & Details	07/29/2005	B	12/16/2005	0
S	520	Steel Frame Elevations	07/29/2005	B	12/16/2005	0
S	523	Cleanroom / Gallery Typical Steel Details I	07/29/2005	B	12/16/2005	0
S	530	Screen Wall Elevations, Sections & Details	07/29/2005	B	12/16/2005	0
S	531	Screen Wall Sections & Details	07/29/2005	B	12/16/2005	0

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	S	532	Tank Farm Louver Wall Elevation and Misc Sections & Details		12/16/2005	0						

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Georgian Legal Anthropology

Project # 1000
Drawing Log
Exhibit A

FIRE PROTECTION ENGINEERING

BLDG	DWG	DESCRIPTION	95% DATE		95% REV.		100% DATE		100% REV.		REVISIONS	
			REV.	DATE	REV.	DATE	REV.	DATE	REV.	DATE	REV.	DATE
F	001	Fire Protection Schedules, Symbols, Details & Abbreviations		10/21/2005	C	12/16/2005	0					
F	200	Fire Protection Plan Level 0, Overall		10/21/2005	D	12/16/2005	0					
F	210	Fire Protection Plan, Level 1 Overall		10/21/2005	D	12/16/2005	0					
F	220	Fire Protection Plan, Level 2 Overall		10/21/2005	D	12/16/2005	0					
F	230	Fire Protection Plan, Level 3 Overall		10/21/2005	D	12/16/2005	0					
F	240	Fire Protection Plan, Level 4 Overall		10/21/2005	D	12/16/2005	0					
F	601	Fire Protection Riser Diagrams		10/21/2005	D	12/16/2005	0					
F	901	Fire Protection Details		10/21/2005	A	12/16/2005	0					

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Georgia Tech Polytechnic
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 Drawing Log
 Exhibit A

PLUMBING ENGINEERING

BLDG	DWG	DESCRIPTION	95%		95%		100%		100%		REVISIONS
			DATE	REV.	DATE	REV.	DATE	REV.	DATE	REV.	
	P 001	Symbols and Abbreviations	10/21/2005	D	12/16/2005	0					
	P 200	Plumbing Plan Level 0, Overall	10/21/2005	D	12/16/2005	0					
P	201	Plumbing Plan Level 0, Sector 1	10/21/2005	C	12/16/2005	0					
P	202	Plumbing Plan Level 0, Sector 2	10/21/2005	C	12/16/2005	0					
P	203	Plumbing Plan Level 0, Sector 3	10/21/2005	C	12/16/2005	0					
P	204	Plumbing Plan Level 0, Sector 4	10/21/2005	D	12/16/2005	0					
P	205	Plumbing Plan Level 0, Sector 5	10/21/2005	C	12/16/2005	0					
P	206	Plumbing Plan Level 0, Sector 6	10/21/2005	B	12/16/2005	0					
P	210	Plumbing Plan Level 1, Overall	10/21/2005	B	12/16/2005	0					
P	211	Plumbing Plan Level 1, Sector 1	10/21/2005	C	12/16/2005	0					
P	212	Plumbing Plan Level 1, Sector 2	10/21/2005	C	12/16/2005	0					
P	213	Plumbing Plan Level 1, Sector 3	10/21/2005	C	12/16/2005	0					
P	214	Plumbing Plan Level 1, Sector 4	10/21/2005	D	12/16/2005	0					
P	216	Plumbing Plan Level 1, Sector 6	10/21/2005	B	12/16/2005	0					
P	220	Plumbing Plan Level 2, Overall	10/21/2005	B	12/16/2005	0					
P	221	Plumbing Plan Level 2, Sector 1	10/21/2005	C	12/16/2005	0					
P	222	Plumbing Plan Level 2, Sector 2	10/21/2005	C	12/16/2005	0					
P	223	Plumbing Plan Level 2, Sector 3	10/21/2005	C	12/16/2005	0					
P	224	Plumbing Plan Level 2, Sector 4	10/21/2005	D	12/16/2005	0					
P	225	Plumbing Plan Level 2, Sector 5	10/21/2005	B	12/16/2005	0					
P	226	Plumbing Plan Level 2, Sector 6	10/21/2005	B	12/16/2005	0					
P	230	Plumbing Plan Level 3, Overall	10/21/2005	B	12/16/2005	0					
P	231	Plumbing Plan Level 3, Sector 1	10/21/2005	C	12/16/2005	0					
P	232	Plumbing Plan Level 3, Sector 2	10/21/2005	C	12/16/2005	0					
P	233	Plumbing Plan Level 3, Sector 3	10/21/2005	C	12/16/2005	0					
P	234	Plumbing Plan Level 3, Sector 4	10/21/2005	D	12/16/2005	0					
P	235	Plumbing Plan Level 3, Sector 5	10/21/2005	B	12/16/2005	0					
P	240	Plumbing Plan Level 4, Overall									
P	244	Plumbing Plan Level 4, Sector 4	10/21/2005	D	12/16/2005	0					
P	250	Plumbing Plan Level 5, Overall	10/21/2005	D	12/16/2005	0					
P	254	Plumbing Plan Level 5, Sector 4	10/21/2005	B	12/16/2005	0					
P	601	Plumbing Riser Diagram	10/21/2005	D	12/16/2005	0					
P	602	Plumbing Riser Diagram	10/21/2005	B	12/16/2005	0					
P	603	Plumbing Riser Diagram	10/21/2005	B	12/16/2005	0					

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Drawing Log
Exhibit A

P	604	Plumbing Riser Diagram	10/21/2005	B	12/16/2005	0
P	605	Plumbing Riser Diagram	10/21/2005	B	12/16/2005	0
P	606	Plumbing Riser Diagram	10/21/2005	B	12/16/2005	0
P	801	Plumbing Schedule	10/21/2005	B	12/16/2005	0
P	802	Plumbing Schedule	10/21/2005	B	12/16/2005	0
P	901	Plumbing Details	10/21/2005	B	12/16/2005	0
P	902	Plumbing Details	10/21/2005	B	12/16/2005	0
P	2B0	Plumbing Plan Underground Overall	10/21/2005	B	12/16/2005	0
P	2B1	Plumbing Plan Underground Sector 1	10/21/2005	B	12/16/2005	0
P	2B2	Plumbing Plan Underground Sector 2	10/21/2005	B	12/16/2005	0
P	2B4	Plumbing Plan Underground Sector 4	10/21/2005	B	12/16/2005	0
P	2B5	Plumbing Plan Underground Sector 5	10/21/2005	B	12/16/2005	0
P	2B6	Plumbing Plan Underground Sector 6	10/21/2005	B	12/16/2005	0

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Georgia Tech N ^otechnology
 Project # 000
 Drawing Log
 Exhibit A

PROCESS ENGINEERING

BLDG	DWG	DESCRIPTION	95%	95%	100%	100%	REVISIONS				
			DATE	REV.	DATE	REV.	1	2	3	4	5
	D 001	Process-Symbols, Legends, & Abbreviations Sheet 1 of 2	10/21/2005	D	12/16/2005	0					
	D 002	Process-Symbols, Legends, & Abbreviations Sheet 2 of 2	10/21/2005	C	12/16/2005	0					
D 100		Process-Overall Equipment Plan, Level 0	10/21/2005	D	12/16/2005	0					
D 101		Process-Equipment Plan Level 0, Sector 1	10/21/2005	C	12/16/2005	0					
D 102		Process-Equipment Plan Level 0, Sector 2	10/21/2005	C	12/16/2005	0					
D 106		Process-Equipment Plan Level 0, Sector 6	10/21/2005	C	12/16/2005	0					
D 110		Process-Overall Equipment Plan, Level 1	10/21/2005	B	12/16/2005	0					
D 111		Process-Equipment Plan Level 1, Sector 1	10/21/2005	B	12/16/2005	0					
D 200		Process-Overall Piping Plan, Level 0	10/21/2005	D	12/16/2005	0					
D 201		Process-Piping Plan, Level 0, Sector 1	10/21/2005	C	12/16/2005	0					
D 202		Process-Piping Plan, Level 0, Sector 2	10/21/2005	C	12/16/2005	0					
D 203		Process-Piping Plan, Level 0, Sector 3	10/21/2005	C	12/16/2005	0					
D 204		Process Piping Plan, Level 0, Sector 4	10/21/2005	C	12/16/2005	0					
D 205		Process-Piping Plan, Level 0, Sector 5	10/21/2005	C	12/16/2005	0					
D 206		Process Piping Plan, Level 0, Sector 6	10/21/2005	C	12/16/2005	0					
D 211		Process-Piping Plan, Level 1, Sector 1	10/21/2005	C	12/16/2005	0					
D 213		Process-Piping Plan, Level 1, Sector 3	10/21/2005	B	12/16/2005	0					
D 214		Process-Piping Plan, Level 1, Sector 4	10/21/2005	C	12/16/2005	0					
D 220		Process-Overall Piping Plan, Level 2	10/21/2005	D	12/16/2005	0					
D 223		Process-Piping Plan, Level 2, Sector 3	10/21/2005	C	12/16/2005	0					
D 224		Process-Piping Plan, Level 2, Sector 4	10/21/2005	C	12/16/2005	0					
D 334		Process-Hook-up Piping Plan, Level 3, Sector 4	10/21/2005	B	12/16/2005	0					
D 401		Process-Enlarged Piping Plan, Level 0	10/21/2005	A	12/16/2005	0					
D 405		Process-Enlarged Piping Plan, Level 0	10/21/2005	A	12/16/2005	0					
D 410		Process-Enlarged Piping Plan, Level 1	10/21/2005	A	12/16/2005	0					
D 411		Process-Enlarged Piping Plan, Level 2	10/21/2005	D	12/16/2005	0					
D 601		Process-Ultra Pure Water System Diagram	10/21/2005	D	12/16/2005	0					
D 602		Process-Ultra Pure Water Distribution Diagram	10/21/2005	D	12/16/2005	0					
D 603		Process-DI Water Distribution Diagram - Sub-Fab	10/21/2005	B	12/16/2005	0					
D 604		Process-DI Water Distribution Diagram - Lab Bldg	10/21/2005	B	12/16/2005	0					
D 605		Process-Process Cooling Water System Diagram	10/21/2005	D	12/16/2005	0					
D 606		Process-Process Cooling Water Distribution Diagram - Sub-Fab	10/21/2005	D	12/16/2005	0					
D 607		Process-Process Cooling Water Distribution Diagram - Fab Bldg	10/21/2005	B	12/16/2005	0					
D 610		Process-Clean Dry Air System Diagram - Sheet 1	10/21/2005	D	12/16/2005	0					

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D	611	Process-Clean Dry Air System Diagram - Sheet 2	10/21/2005	B	12/16/2005	0
D	612	Process-Clean Dry Air System Diagram -Sub-Fab	10/21/2005	D	12/16/2005	0
D	613	Process-Clean Dry Air System Diagram -Lab Bldg	10/21/2005	B	12/16/2005	0
D	615	Process-Process Vacuum System Diagram	10/21/2005	D	12/16/2005	0
D	616	Process-Process Vacuum Distribution Diagram - Sub-Fab	10/21/2005	D	12/16/2005	0
D	617	Process-Process Vacuum Distribution Diagram- Lab Bldg	10/21/2005	B	12/16/2005	0
D	620	Process- Nitrogen System Diagram	10/21/2005	D	12/16/2005	0
D	621	Process- Utility Nitrogen Distribution Diagram - Sub Fab	10/21/2005	D	12/16/2005	0
D	622	Process- Utility Nitrogen Distribution Diagram - Lab Bldg	10/21/2005	B	12/16/2005	0
D	625	Process-Liquid Nitrogen Distribution Diagram	10/21/2005	D	12/16/2005	0
D	630	Process- HP Nitrogen Distribution Diagram	10/21/2005	D	12/16/2005	0
D	635	Process- HP Nitrogen System Diagram	10/21/2005	D	12/16/2005	0
D	636	Process-HP Oxygen Distribution Diagram	10/21/2005	D	12/16/2005	0
D	645	Process-Hydrogen System Diagram	10/21/2005	D	12/16/2005	0
D	650	Process-Acid Waste System Diagram	10/21/2005	D	12/16/2005	0
D	651	Process-Acid Waste System Diagram	10/21/2005	D	12/16/2005	0
D	652	Process-Acid Waste Drains Collection Diagram - Sub-Fab	10/21/2005	D	12/16/2005	0
D	653	Process- Acid Waste Drains Collection Diagram - Lab Bldg.	10/21/2005	B	12/16/2005	0
D	654	Process- Chemical VMB System Diagram	10/21/2005	B	12/16/2005	0
D	660	Process-Solvent Waste System Diagram	10/21/2005	D	12/16/2005	0
D	661	Process-Solvent Waste Non-Halogenated Collection Diagram - Sub-Fab	10/21/2005	D	12/16/2005	0
D	665	Process-Solvent Waste Halogenated Collection Diagram - Sub-Fab	10/21/2005	C	12/16/2005	0
D	670	Process-Acid Scrubber System Diagram	10/21/2005	B	12/16/2005	0
D	801	Process-Equipment Schedules Sheet 1 of 4	10/21/2005	C	12/16/2005	0
D	802	Process-Equipment Schedules Sheet 2 of 4	10/21/2005	C	12/16/2005	0
D	803	Process-Equipment Schedules Sheet 3 of 4	10/21/2005	B	12/16/2005	0
D	804	Process-Equipment Schedules Sheet 4 of 4	10/21/2005	A	12/16/2005	0
D	901	Process-Piping Details	10/21/2005	A	12/16/2005	0

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 Exhibit A

MECHANICAL

BLDG	DWG	DESCRIPTION	95%	95%	100%	100%	REVISIONS				
			DATE	REV.	DATE	REV.	1	2	3	4	5
M	001	Symbols and Abbreviations	10/21/2005	D	12/16/2005	0					
M	002	Symbols and Abbreviations	10/21/2005	D	12/16/2005	0					
M	201	Mechanical Plan Level 0, Sector 1	10/21/2005	C	12/16/2005	0					
M	202	Mechanical Plan Level 0, Sector 2	10/21/2005	C	12/16/2005	0					
M	203	Mechanical Plan Level 0, Sector 3	10/21/2005	C	12/16/2005	0					
M	204	Mechanical Plan Level 0, Sector 4	10/21/2005	C	12/16/2005	0					
M	205	Mechanical Plan Level 0, Sector 5	10/21/2005	C	12/16/2005	0					
M	206	Mechanical Plan Level 0, Sector 6	10/21/2005	A	12/16/2005	0					
M	211	Mechanical Plan Level 1, Sector 1	10/21/2005	C	12/16/2005	0					
M	212	Mechanical Plan Level 1, Sector 2	10/21/2005	C	12/16/2005	0					
M	213	Mechanical Plan Level 1, Sector 3	10/21/2005	C	12/16/2005	0					
M	214	Mechanical Plan Level 1, Sector 4	10/21/2005	C	12/16/2005	0					
M	215	Mechanical Plan Level 1, Sector 5	10/21/2005	C	12/16/2005	0					
M	216	Mechanical Plan Level 1, Sector 6	10/21/2005	A	12/16/2005	0					
M	221	Mechanical Plan Level 2, Sector 1	10/21/2005	C	12/16/2005	0					
M	222	Mechanical Plan Level 2, Sector 2	10/21/2005	C	12/16/2005	0					
M	223	Mechanical Plan Level 2, Sector 3	10/21/2005	C	12/16/2005	0					
M	224	Mechanical Plan Level 2, Sector 4	10/21/2005	C	12/16/2005	0					
M	225	Mechanical Plan Level 2, Sector 5	10/21/2005	C	12/16/2005	0					
M	226	Mechanical Plan Level 2, Sector 6	10/21/2005	A	12/16/2005	0					
M	231	Mechanical Plan Level 3, Sector 1	10/21/2005	B	12/16/2005	0					
M	232	Mechanical Plan Level 3, Sector 2	10/21/2005	B	12/16/2005	0					
M	233	Mechanical Plan Level 3, Sector 3	10/21/2005	B	12/16/2005	0					
M	234	Mechanical Plan Level 3, Sector 4	10/21/2005	C	12/16/2005	0					
M	244	Mechanical Plan Level 4, Sector 4	10/21/2005	C	12/16/2005	0					
M	254	Mechanical Plan Level 5, Sector 4	10/21/2005	C	12/16/2005	0					
M	301	Piping Plan Level 0, Sector 1	10/21/2005	B	12/16/2005	0					
M	302	Piping Plan Level 0, Sector 2	10/21/2005	B	12/16/2005	0					
M	303	Piping Plan Level 0, Sector 3	10/21/2005	B	12/16/2005	0					
M	304	Piping Plan Level 0, Sector 4	10/21/2005	B	12/16/2005	0					
M	305	Piping Plan Level 0, Sector 5	10/21/2005	B	12/16/2005	0					
M	306	Piping Plan Level 0, Sector 6	10/21/2005	A	12/16/2005	0					
M	311	Piping Plan Level 1, Sector 1	10/21/2005	B	12/16/2005	0					
M	312	Piping Plan Level 1, Sector 2	10/21/2005	C	12/16/2005	0					

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M	313	Piping Plan Level 1, Sector 3	10/21/2005	B	12/16/2005	0	
M	314	Piping Plan Level 1, Sector 4	10/21/2005	B	12/16/2005	0	
M	316	Piping Plan Level 1, Sector 6	10/21/2005	A	12/16/2005	0	
M	321	Piping Plan Level 2, Sector 1	10/21/2005	B	12/16/2005	0	
M	322	Piping Plan Level 2, Sector 2	10/21/2005	B	12/16/2005	0	
M	323	Piping Plan Level 2, Sector 3	10/21/2005	B	12/16/2005	0	
M	324	Piping Plan Level 2, Sector 4	10/21/2005	B	12/16/2005	0	
M	325	Piping Plan Level 2, Sector 5	10/21/2005	B	12/16/2005	0	
M	326	Piping Plan Level 2, Sector 6	10/21/2005	A	12/16/2005	0	
M	331	Piping Plan Level 3, Sector 1	10/21/2005	A	12/16/2005	0	
M	333	Piping Plan Level 3, Sector 3	10/21/2005	A	12/16/2005	0	
M	334	Piping Plan Level 3, Sector 4	10/21/2005	B	12/16/2005	0	
M	344	Piping Plan Level 4, Sector 4	10/21/2005	B	12/16/2005	0	
M	354	Piping Plan Level 5, Sector 4	10/21/2005	B	12/16/2005	0	
M	400	Mechanical Enlarged Plans	10/21/2005	C	12/16/2005	0	
M	501	Mechanical Section			12/16/2005	0	
M	502	Mechanical Section			12/16/2005	0	
M	503	Mechanical Section			12/16/2005	0	
M	504	Mechanical Section			12/16/2005	0	
M	601	District Chilled Water Piping Flow Diagram	10/21/2005	A	12/16/2005	0	
M	602	District Chilled Water Piping Flow Diagram	10/21/2005	A	12/16/2005	0	
M	603	Hot Water Piping Flow Diagram	10/21/2005	A	12/16/2005	0	
M	604	Steam & Condensate Piping Flow Diagram	10/21/2005	A	12/16/2005	0	
M	605	Lab Make-up Air Supply / Exhaust Air Flow	10/21/2005	A	12/16/2005	0	
M	606	Make-up Air Supply / Exhaust Air Flow	10/21/2005	A	12/16/2005	0	
M	607	Low Temp. Chilled Water System Flow Diagram	10/21/2005	A	12/16/2005	0	
M	608	BE Exhaust System Flow Diagram			12/16/2005	0	
M	701	Cleanroom Pressurization Diagram	10/21/2005	D	12/16/2005	0	
M	702	Cleanroom Make-up Air Units Sequence of Operation	10/21/2005	D	12/16/2005	0	
M	703	Fan Deck Make-Up Air Units Sequence of Operation	10/21/2005	D	12/16/2005	0	
M	704	Recirculating Air Handlers Sequence of Operation	10/21/2005	D	12/16/2005	0	
M	705	Fan Filter Units Diagram	10/21/2005	D	12/16/2005	0	
M	706	Acid Exhaust System Flow Diagram	10/21/2005	D	12/16/2005	0	
M	707	Heat / Solvent Exhaust System Flow Diagram	10/21/2005	D	12/16/2005	0	
M	708	Biosafety Exhaust System Flow Diagram	10/21/2005	D	12/16/2005	0	
M	709	Cleanroom Corridor AHU Flow Diagram	10/21/2005	B	12/16/2005	0	
M	710	Primary and Secondary Chilled Water Piping Flow Diagram	10/21/2005	A	12/16/2005	0	

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	M	711	Tertiary Chilled Water Piping Flow Diagram	10/21/2005	A	12/16/2005	0
	M	712	Low Temp. Chilled Water Condenser Piping Flow Diagram	10/21/2005	A	12/16/2005	0
	M	713	Low Temp. Chilled Water Piping Flow Diagram	10/21/2005	A	12/16/2005	0
	M	714	Steam / Hot Water Piping Flow Diagram	10/21/2005	A	12/16/2005	0
	M	715	Mechanical Room Refrigerant Evacuation Control Diagram	10/21/2005	A	12/16/2005	0
	M	721	Lab Make-Up Air Unit Diagram	10/21/2005	A	12/16/2005	0
	M	722	Office Air Handler Unit Diagram	10/21/2005	A	12/16/2005	0
	M	723	Gallery Air Handler Diagram	10/21/2005	A	12/16/2005	0
	M	724	Lab Ventilation Diagram	10/21/2005	A	12/16/2005	0
	M	725	Clearroom Spot Cooiers	10/21/2005	A	12/16/2005	0
	M	726	Gas Room MAU and Exhaust	10/21/2005	A	12/16/2005	0
	M	731	Control Details	10/21/2005	A	12/16/2005	0
	M	801	Equipment Schedule	10/21/2005	D	12/16/2005	0
	M	802	Equipment Schedule	10/21/2005	D	12/16/2005	0
	M	803	Equipment Schedule	10/21/2005	D	12/16/2005	0
	M	804	Equipment Schedule	10/21/2005	D	12/16/2005	0
	M	805	Equipment Schedule	10/21/2005	D	12/16/2005	0
	M	806	Equipment Schedule	10/21/2005	D	12/16/2005	0
	M	901	HVAC Details	10/21/2005	B	12/16/2005	0
	M	902	HVAC Details	10/21/2005	B	12/16/2005	0
	M	903	HVAC Details	10/21/2005	B	12/16/2005	0
	M	904	HVAC Details	10/21/2005	B	12/16/2005	0
	M	905	HVAC Details Cleanroom	10/21/2005	B	12/16/2005	0
	M	906	HVAC Details Cleanroom	10/21/2005	B	12/16/2005	0
	M	907	HVAC Details Cleanroom	10/21/2005	A	12/16/2005	0
	M	908	HVAC Details Cleanroom	10/21/2005	A	12/16/2005	0
	M	909	HVAC Details Cleanroom	10/21/2005	A	12/16/2005	0

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 Exhibit A

ELECTRICAL ENGINEERING

BLDG	DWG	DESCRIPTION	95%	95%	100%	100%	REVISIONS				
			DATE	REV.	DATE	REV.	1	2	3	4	5
E	010	Electrical Notes and Symbols	10/21/05	C	12/16/2005	0					
E	011	Lighting Fixtures Schedule	10/21/05	A	12/16/2005	0					
E	101	Electrical Site Plan Power	10/21/05	D	12/16/2005	0					
E	102	Electrical Site Plan Communications	10/21/05	C	12/16/2005	0					
E	103	Electrical Site Plan Lighting and Power			12/16/2005	0					
E	104	Electrical Site Plan Lighting and Power			12/16/2005	0					
E	105	Electrical Site Plan Lighting and Power			12/16/2005	0					
E	106	Electrical Site Plan Lighting and Power			12/16/2005	0					
E	201	Single Line Diagram Overall	10/21/05	D	12/16/2005	0					
E	202	Single Line Diagram Substation CN4D0-01A	10/21/05	C	12/16/2005	0					
E	203	Single Line Diagram Substation LN4E0-01A	10/21/05	C	12/16/2005	0					
E	204	Single Line Diagram Substation LN4E0-01B	10/21/05	C	12/16/2005	0					
E	205	Single Line Diagram Substation LN4E0-02B	10/21/05	C	12/16/2005	0					
E	206	Grounding Riser Overall LN4E0-02A	10/21/05	A	12/16/2005	0					
E	301	Lighting Plan Level 0, Sector 1	10/21/05	C	12/16/2005	0					
E	302	Lighting Plan Level 0, Sector 2	10/21/05	C	12/16/2005	0					
E	303	Lighting Plan Level 0, Sector 3	10/21/05	C	12/16/2005	0					
E	304	Lighting Plan Level 0, Sector 4	10/21/05	C	12/16/2005	0					
E	305	Lighting Plan Level 0, Sector 5	10/21/05	C	12/16/2005	0					
E	306	Lighting Plan Level 0, Sector 6	10/21/05	C	12/16/2005	0					
E	311	Lighting Plan Level 1, Sector 1	10/21/05	C	12/16/2005	0					
E	312	Lighting Plan Level 1, Sector 2	10/21/05	C	12/16/2005	0					
E	313	Lighting Plan Level 1, Sector 3	10/21/05	C	12/16/2005	0					
E	314	Lighting Plan Level 1, Sector 4	10/21/05	C	12/16/2005	0					
E	315	Lighting Plan Level 1, Sector 5	10/21/05	C	12/16/2005	0					
E	316	Lighting Plan Level 1, Sector 6	10/21/05	C	12/16/2005	0					
E	321	Lighting Plan Level 2, Sector 1	10/21/05	C	12/16/2005	0					
E	322	Lighting Plan Level 2, Sector 2			12/16/2005	0					
E	323	Lighting Plan Level 2, Sector 3			12/16/2005	0					
E	324	Lighting Plan Level 2, Sector 4			12/16/2005	0					
E	325	Lighting Plan Level 2, Sector 5			12/16/2005	0					
E	326	Lighting Plan Level 2, Sector 6			12/16/2005	0					
E	333	Lighting Plan Level 3, Sector 3			12/16/2005	0					
E	334	Lighting Plan Level 3, Sector 4			12/16/2005	0					

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E	335	Lighting Plan Level 3, Sector 1	10/21/05	C	12/16/2005	0
E	344	Lighting Plan Level 4, Sector 4	10/21/05	C	12/16/2005	0
E	345	Lighting Plan Level 4, Sector 5	10/21/05	C	12/16/2005	0
E	400	Overall Power Plan Level 0	10/21/05	D	12/16/2005	0
E	401	Power Plan Level 0, Sector 1	10/21/05	C	12/16/2005	0
E	402	Power Plan Level 0, Sector 2	10/21/05	C	12/16/2005	0
E	403	Power Plan Level 0, Sector 3	10/21/05	C	12/16/2005	0
E	404	Power Plan Level 0, Sector 4	10/21/05	C	12/16/2005	0
E	405	Power Plan Level 0, Sector 5	10/21/05	C	12/16/2005	0
E	406	Power Plan Level 0, Sector 6	10/21/05	C	12/16/2005	0
E	410	Overall Power Plan Level 1	10/21/05	D	12/16/2005	0
E	411	Power Plan Level 1, Sector 1	10/21/05	C	12/16/2005	0
E	412	Power Plan Level 1, Sector 2	10/21/05	C	12/16/2005	0
E	413	Power Plan Level 1, Sector 3	10/21/05	C	12/16/2005	0
E	414	Power Plan Level 1, Sector 4	10/21/05	C	12/16/2005	0
E	415	Power Plan Level 1, Sector 5	10/21/05	C	12/16/2005	0
E	416	Power Plan Level 1, Sector 6	10/21/05	C	12/16/2005	0
E	420	Overall Power Plan Level 2	10/21/05	D	12/16/2005	0
E	421	Power Plan Level 2, Sector 1	10/21/05	C	12/16/2005	0
E	422	Power Plan Level 2, Sector 2	10/21/05	C	12/16/2005	0
E	423	Power Plan Level 2, Sector 3	10/21/05	C	12/16/2005	0
E	424	Power Plan Level 2, Sector 4	10/21/05	C	12/16/2005	0
E	425	Power Plan Level 2, Sector 5	10/21/05	C	12/16/2005	0
E	426	Power Plan Level 2, Sector 6	10/21/05	C	12/16/2005	0
E	434	Power Plan Level 3, Sector 4	10/21/05	C	12/16/2005	0
E	435	Power Plan Level 3, Sector 5	10/21/05	C	12/16/2005	0
E	444	Power Plan Level 4, Sector 4	10/21/05	C	12/16/2005	0
E	450	Overall Roof Plan Level 5	10/21/05	A	12/16/2005	0
E	500	Life Safety and Aux. Sys. Level 0, Overall Plan	10/21/05	C	12/16/2005	0
E	501	Life Safety and Aux. Sys. Level 0, Sector 1	10/21/05	C	12/16/2005	0
E	502	Life Safety and Aux. Sys. Level 0, Sector 2	10/21/05	C	12/16/2005	0
E	503	Life Safety and Aux. Sys. Level 0, Sector 3	10/21/05	C	12/16/2005	0
E	504	Life Safety and Aux. Sys. Level 0, Sector 4	10/21/05	C	12/16/2005	0
E	505	Life Safety and Aux. Sys. Level 0, Sector 5	10/21/05	C	12/16/2005	0
E	506	Life Safety and Aux. Sys. Level 0, Sector 6	10/21/05	B	12/16/2005	0
E	510	Life Safety and Aux. Sys. Level 1, Overall Plan	10/21/05	C	12/16/2005	0
E	511	Life Safety and Aux. Sys. Level 1, Sector 1	10/21/05	C	12/16/2005	0

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Subcontractor TS

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E	5112	Life Safety and Aux. Sys. Level 1, Sector 2	10/21/05	C	12/16/2005	0
E	5113	Life Safety and Aux. Sys. Level 1, Sector 3	10/21/05	C	12/16/2005	0
E	5114	Life Safety and Aux. Sys. Level 1, Sector 4	10/21/05	C	12/16/2005	0
E	5115	Life Safety and Aux. Sys. Level 1, Sector 5	10/21/05	C	12/16/2005	0
E	5116	Life Safety and Aux. Sys. Level 1, Sector 6	10/21/05	B	12/16/2005	0
E	5200	Life Safety and Aux. Sys. Level 2, Overall Plan	10/21/05	C	12/16/2005	0
E	5211	Life Safety and Aux. Sys. Level 2, Sector 1	10/21/05	C	12/16/2005	0
E	5212	Life Safety and Aux. Sys. Level 2, Sector 2	10/21/05	C	12/16/2005	0
E	5213	Life Safety and Aux. Sys. Level 2, Sector 3	10/21/05	C	12/16/2005	0
E	5214	Life Safety and Aux. Sys. Level 2, Sector 4	10/21/05	C	12/16/2005	0
E	5215	Life Safety and Aux. Sys. Level 2, Sector 5	10/21/05	C	12/16/2005	0
E	5216	Life Safety and Aux. Sys. Level 2, Sector 6	10/21/05	B	12/16/2005	0
E	5344	Life Safety and Aux. Sys. Level 3, Sector 4	10/21/05	C	12/16/2005	0
E	5355	Life Safety and Aux. Sys. Level 3, Sector 5	10/21/05	C	12/16/2005	0
E	5444	Life Safety and Aux. Sys. Level 4, Sector 4	10/21/05	C	12/16/2005	0
E	7000	Grounding Plan Level 0, Overall Plan	10/21/05	C	12/16/2005	0
E	7110	Grounding Plan Level 1, Overall Plan	10/21/05	C	12/16/2005	0
E	7220	Grounding Plan Level 2, Overall Plan	10/21/05	C	12/16/2005	0
E	7330	Grounding Plan Level 3, Overall Plan	10/21/05	C	12/16/2005	0
E	7440	Grounding Plan Level 4, Overall Plan	10/21/05	C	12/16/2005	0
E	8011	Electrical Details	10/21/05	C	12/16/2005	0
E	8022	Electrical Details	10/21/05	C	12/16/2005	0
E	8033	Electrical Details	10/21/05	C	12/16/2005	0
E	8044	Electrical Details	10/21/05	C	12/16/2005	0
E	8077	Electrical Details	10/21/05	C	12/16/2005	0
E	8088	Electrical Details	10/21/05	C	12/16/2005	0
E	8099	Electrical Details	10/21/05	C	12/16/2005	0
E	8100	Electrical Details	10/21/05	C	12/16/2005	0
E	8111	Electrical Details	10/21/05	A	12/16/2005	0
E	8133	Electrical Details	10/21/05	A	12/16/2005	0
E	8144	Main Switch Board Short Circuit and Voltage Drop Study	10/21/05	A	12/16/2005	0
E	8155	Switch Board L1N4E0-01A Short Circuit and Voltage Drop Study	10/21/05	A	12/16/2005	0
E	8166	Switch Board L1N4E0-01B Short Circuit and Voltage Drop Study	10/21/05	A	12/16/2005	0
E	8177	Switch Board L1N4E0-01C Short Circuit and Voltage Drop Study	10/21/05	A	12/16/2005	0
E	8188	Switch Board L1N4E0-01D Short Circuit and Voltage Drop Study	10/21/05	A	12/16/2005	0
E	8199	Lighting Controls	10/21/05	C	12/16/2005	0
E	9011	Communication Riser Diagram	10/21/05	C	12/16/2005	0

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Initiated by: John Doe
Contractor

Subcontractor

Georgia Tech N Project # 300
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E	903	Hazardous Gas Monitoring	10/21/05	C	12/16/2005	0
E	904	Electrical Schedules	10/21/05	C	12/16/2005	0
E	905	Electrical Schedules	10/21/05	C	12/16/2005	0
E	906	Electrical Schedules	10/21/05	C	12/16/2005	0
E	907	Electrical Schedules	10/21/05	C	12/16/2005	0
E	908	Electrical Schedules	10/21/05	C	12/16/2005	0
E	909	Electrical Schedules	10/21/05	C	12/16/2005	0
E	910	Electrical Schedules	10/21/05	C	12/16/2005	0
E	912	Electrical Schedules	10/21/05	B	12/16/2005	0
E	913	Electrical Schedules	10/21/05	B	12/16/2005	0
E	914	Electrical Schedules	10/21/05	B	12/16/2005	0
E	915	Electrical Schedules	10/21/05	B	12/16/2005	0
E	916	Electrical Schedules	10/21/05	B	12/16/2005	0
E	917	Electrical Schedules	10/21/05	B	12/16/2005	0
E	918	Electrical Schedules	10/21/05	B	12/16/2005	0

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Contractor /
Subcontractor

Subcontractor

REVISED 2/16/06

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Georgia Tech N otechnology
 Project # 300
 Drawing Log
 Exhibit A

SPACE MANAGEMENT

BLDG	DWG	DESCRIPTION	95%	95%	100%	100%	REVISIONS				
			DATE	REV.	DATE	REV.	1	2	3	4	5
R	101	Space Management Piperack Plan Level 0	10/21/2005	A	12/16/2005	0					
R	401	Space Management Enlarged Piperack Plan Level 0	10/21/2005	A	12/16/2005	0					
R	501	Space Management Sections Looking North Columns 2-6	10/21/2005	A	12/16/2005	0					
R	502	Space Management Sections Looking North Columns 7-11	10/21/2005	A	12/16/2005	0					
R	503	Space Management Sections Looking East & West Typical Sub-Main Bays	10/21/2005	A	12/16/2005	0					
R	504	Space Management Sections Looking North Piperack To Lab Bldg	10/21/2005	A	12/16/2005	0					
R	505	Space Management Sections Piperack To Lab Bldg	10/21/2005	A	12/16/2005	0					
R	510	Space Management Sections Looking West Thru Lab	10/21/2005	A	12/16/2005	0					
R	511	Space Management Sections Looking North & South Thru Lab	10/21/2005	A	12/16/2005	0					
R	901	Space Management Piperack Details	10/21/2005	A	12/16/2005	0					

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 Subcontractor

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Project # 000
Drawing Log
Exhibit A

SOILS REPORT		DESCRIPTION		95% DATE	100% DATE	REVISIONS			1	2	3	4	5
BLDG	DWG					1	2	3	4	5			
		ATC - Soils Report		01/23/2003	01/23/2003								

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Contractor _____

Subcontractor _____

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EXHIBIT B
SCOPE OF WORK**A. GENERAL SCOPE REQUIREMENTS**

In addition to the items in the Boiler Plate of this trade contract, the contractor is to provide the following items as they apply to the work in each trade contract/purchase order unless specifically noted otherwise in the specific scope requirements (Note: "provide" shall mean furnish and install).

1. General Conditions / General Requirements

- a. Where furnishing and installation of work is indicated by separate parties include:
 - 1) Furnishing Party - delivery to job site including freight and taxes
 - 2) Installing Party - receiving, unloading, inventory, storage, handling and installation.
- b. Whiting-Turner to provide stakeout for limits of disturbance, building corners and horizontal/vertical control. Contractor to provide survey/layout required to perform their work.
- c. Field measurements and verification of existing conditions.
- d. Surface preparation and inspection for proper installation of this work. Include cleanup, etching, flash patching, moisture testing, etc as required per specifications and manufacturers instructions. Commencement of this work shall constitute acceptance of the substrate as suitable for this work
- e. Core drilling, cutting, and patching as required to perform this work. Include restoration of all surfaces to original condition Cutting to be performed as to minimize patching
- f. Excavation, backfill & mucking/dewatering for this work.
- g. Control wiring required for equipment provided as part of this work and not specified elsewhere in the Contract documents.
- h. Concrete required for this scope of work, which is not detailed on the architectural or structural drawings (e.g. equipment pads, thrust blocks, inertia pads, ductbanks, etc.)
- i. Sleeves, inserts, and anchors for this work
- j. Additional reinforcement/supports for this work, which are not specifically identified on the architectural and structural drawings
- k. Sealants, caulking and firestopping integral with this work
- l. Permit fees, licenses, testing and inspection for this work other than the building permit. Testing for soil compaction, structural steel and concrete will be performed by an independent testing agency of the Owner's choice. Contractor shall coordinate and cooperate with the testing agency and provide assistance and access, as necessary
- m. Scaffolding, lifts, cranes and other means of access for this work.
- n. Unloading, Hoisting, and maintenance of traffic.

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- o. Temporary staging, storage, and office facilities including utilities for the same
- p. Temporary weather and dust protection for this work.
- q. Temporary protection of new and existing work from damage by this work. Trade contractor to repair damage at own expense
- r. Temporary sheeting, shoring and bracing as required to perform this work
- s. Temporary barricades shall be placed and maintained by the contractor creating the hazard, or when necessary to facilitate the next sequence of construction. The contractor responsible for the next sequence of construction is then responsible for the barricades if a hazard still exists. Contractors who disturb barricades shall restore them to meet safety requirements, at their own expense. The foregoing "barricades" applies equally to all safety, weather and dust protection provisions. Whiting-Turner shall have the right to determine the suitability of any and all barricades.
- t. Compliance with local noise restrictions
- u. Owner, Whiting-Turner & OSHA safety requirements (See Supplemental Conditions for Whiting-Turner Non-OSHA rules)
- v. Full-time, competent on-site supervision is required by all Contractors during performance of their own work. In the case of contracts involving Second Tier Subcontractors, the Primary Contractor will provide on-site supervision and coordination of their subcontractors and direct hire work. The contractor will be backcharged for time spent performing such coordination by Whiting-Turner
- w. This contractor shall procure a minimum of one (1) Whiting-Turner compatible Nextel radio and charger for the purpose of field communication. At all times during the course of the work, the subcontractor shall maintain communication for safety and security reasons.
- x. This contractor understands that this is a fast-track project and during the execution of the work, the site will be congested with many other trades. The subcontractor should not assume that construction can be carried out in a continuous, uninterrupted manner
- y. This contractor shall execute the work by means of workmanship that meets or exceeds industry standards. Any work that is found to be out of compliance with this requirement and/or the project specifications shall be repaired or removed and replaced as directed by Whiting-Turner and/or the Owner, at no additional cost to Whiting-Turner and/or the Owner.
- z. All contractor personnel are required to check in/out each day with the Whiting-Turner Superintendent. Under no circumstances shall work be scheduled or performed without Whiting-Turner personnel being notified and present onsite.
 - aa. Each week Whiting-Turner will conduct a Weekly Progress Meeting. The purpose of the meeting will be as follows: to review the project progress to date, to outline and discuss upcoming scheduled work activities, to coordinate subcontractor work activities, to discuss project safety & quality, and to address any other matters affecting the project or the project team. It is mandatory that a company representative, who is familiar with the ongoing project activities of this contract, represent each subcontractor at the meeting. This representative must also be authorized to speak for the contractor and to make binding commitments on its behalf.

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- bb Temporary lighting, power & water as required for this work beyond that provided by mechanical and electrical contractors per specifications. Temporary lighting, power, and water will be provided once the permanent supply and distribution system has been installed. Until such time, the contractor is responsible for temporary measures required to perform their work
- cc. Adhere to the following provisions:
 - 1) The maximum sized motor to be used by any subcontractor at any 120V receptacle shall be limited to 1HP.
 - 2) Provisions for electric welders shall be the responsibility of this subcontractor.
 - 3) Where the contractor requires special electrical service characteristics not addressed above; this subcontractor shall provide such services at his own expense
- dd. In the event of any discrepancy between contract documents and governing code/regulations/standards, the more stringent shall apply.
- ee Insurance per W-T standard subcontract and Owner contract (see Exhibit C)
- ff. Professional liability insurance for any design/engineering work.
- gg Performance & Payment Bonds per Whiting-Turner Standard Forms.

2. **Project Records / Documents**

- a. Shop drawings, submittals and mock-ups as specified. Ten (10) copies of all submittals, literature, and operation maintenance data. One (1) reproducible and three (3) sets of prints for shop drawings.
- b. Provision of the contract document required submittals within 10 days of award. Failure to provide complete submittal data will result in 0.1% penalty per day, maximum 10% of contract value.
- c. As-built drawings, O&M Manuals, commissioning tests and all other required closeout documentation
- d. Reproduction costs for contract documents and shop drawings.
- e. Engineering calculations/PE certifications as specified.
- f. Professional liability insurance for any design/engineering work.
- g. Performance & Payment Bonds, if required, per Whiting-Turner Standard Forms
- h. MSDS sheets for all materials must be submitted with the submittals and prior to start of this work. Submittal to contain at a minimum the MSDS#, chemical name, chemical manufacturer, manufacturer address, entry routes, and first air procedures. Additional information may be required. Should a subcontractor wish to use a product not listed, a chemical request form must be submitted. The approval process may take 2 to 4 weeks. Under no circumstances will a non-approved chemical be brought onsite.
- i. All punchlist work and project closeout documentation shall be completed and approved by the Owner and Architect by the "Date of Final Completion" which shall be no later than 14 days after the Date of Material Completion. Any uncompleted punchlist items after this date will be completed by Whiting-Turner and these costs will be backcharged to the appropriate contractor or vendor
- j. Warranties as specified commencing on date of material completion.
- k. Prepare and maintain a material status report for all material to be used on the project. The report shall include material item, supplier, purchase order number, telephone number, and a schedule for shop drawings, fabrication,

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and deliveries. Whiting-Turner reserves the right to check directly with suppliers on all items that are critical to the project schedule. This report is to be submitted with your monthly invoice as a condition of payment.

1. This contractor shall maintain a current set of As-Built drawings during the course of the work. This contractor shall have these drawings available upon request for review by the A/E and Whiting-Turner. Whiting-Turner reserves the right to withhold subcontractor monthly payment based on insufficiently updated As-Built records. Upon completion of the work, a field generated red line set of As-Built drawings, two photocopies of the same, and updated CAD drawings shall be submitted to Whiting-Turner.
- m. Submit daily work reports indicating number of workers by classification, hours worked, and construction progress information on the preprinted form found in the Supplemental Conditions to the Contract. Additional forms are available from Whiting-Turner superintendents during course of work.

3. Housekeeping

- a. Daily and final cleanup including mud and dirt tracked onto public walks, lots and roads. Good housekeeping is essential to the safe and efficient construction of the job and is the responsibility of each foreman and his crew. Work areas, stairways, walkways, storage rooms, and other areas shall be kept clean of obstructions, paper, scrap, pipe, lumber, welding rods, rags, and other debris at all times. More than daily removal may be necessary to maintain a safe work area. Failure to pursue this work shall result in backcharges. The Whiting-Turner Superintendent shall determine what constitutes a safe work area.
- b. Removal offsite all trash, debris and spoils generated by this work unless noted otherwise. Whiting-Turner will provide dumpsters and trash chutes if necessary for interior fit-out work only.
- c. The contractor is responsible for keeping public streets clean, free of dirt and debris, and functional at all times. If the contractor is found to be in noncompliance, the contractor will be backcharged for the cost of having the street cleaned.
- d. Contractors will treat onsite-paved streets as public streets, and will be responsible for keeping them clean, free of dirt and debris, and functional at all times. If contractor is found to be in noncompliance, said contractor will be backcharged for the cost of having the street cleaned.
- e. All building pad grading has been completed to finish floor elevation. This additional material will remain until just before the slab on grade is poured to protect the sub-base from construction activity and weather. Contractors are responsible for repairing any damage caused by their work and returning the building pad to its original condition.
- f. Construction personnel and all deliveries shall use Gates, as determined by Whiting-Turner, for access to the project unless otherwise directed by Whiting-Turner.
- g. Smoking is not permitted in Georgia Tech buildings or construction areas. Georgia Tech and Whiting-Turner will designate a limited number of smoking areas.

4. Coordination

- a. Normal working hours for this project shall be as established by Whiting-Turner. (Working other hours will require authorization by Whiting-Turner)
- b. Special provisions to minimize disruption to existing facilities operations (if applicable)
 - 1) Any work that will disrupt facilities operations generally must be performed during off hours; this includes:
 - All utility outages
 - Operations disrupting access/egress at entrances
 - Operations creating a safety hazard to the public

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- 2) Arrangements must be made in advance with the Project Superintendent for access to work within existing facilities
- 3) Access to existing facilities must be maintained at all times. Provide necessary temporary measures and/or phase work to insure access requirements are maintained.
- 4) Coordinate and phase site work to maintain traffic into and around the site and to provide for maximum parking capacity during construction per Owner requirements.
- 5) Availability of space within the site for storage of material/equipment will be limited. All contractors must closely coordinate deliveries with the Project Superintendent

- c. Premium costs for shutdowns or any other off-hour work. All shutdowns must be scheduled at least one (1) week in advance
- d. The contractor understands that this is a fast track project, and during the execution of work covered by this contract the site will be congested by many other trades. The bidder should assume that each item of work might not be done in one continuous operation.
- e. Use of site for staging, storage trailers, parking, smoking, lunch, etc. shall be as instructed and approved by Whiting-Turner.
- f. This contractor's employees will attend a mandatory site safety orientation prior to beginning any work.
- g. Parking on site streets is not permitted. On-site parking is not allowed. Parking costs are the sole responsibility of trade contractors
- h. The use of a freight elevator, hoist, or crane must be coordinated with WI.
- i. Phasing and remobilizations per the project schedule and as required to properly coordinate and complete the work
- j. Any contractor who wishes to fabricate materials in a building shall coordinate and obtain approval through Whiting-Turner

5. Project Costs / Penalties

- a. Invoices: Pencil copy is due no later than the 20th of the month. (Faxed copies acceptable) Final, notarized original copies, with releases of lien, are due no later than the 25th - no fax copies. Note: Must be on W-T forms. See supplement conditions.
- b. Owner shall not pay for materials stored offsite.
- c. The contractor shall submit pricing for changes within five (5) days of receipt of change request, unless mutually agreed otherwise. All pricing must be accompanied by a detailed breakdown of the costs. Lump sum pricing will not be accepted. Non-response within the required time frame will be considered as the contractor's agreement to accept Whiting-Turner's assigned value for the change.
- d. Tickets for extra work will not be considered unless a work order has been previously issued to the contractor, signed by an authorized Whiting-Turner representative, which authorizes the work to be completed. Then the tickets must be submitted and backed up by a written summary of all associated costs within five (5) days of the performance of such work.

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- e. The Contractor agrees to participate in the Whiting-Turner recycling program. The Contractor is to dispose of all material such as structural steel, metals, wood, paper, etc. into the appropriate container as designated by the Project Superintendent. Failure to do so will result in a fine of \$200.00 per occurrence that will be deducted from your contract. If materials are not put into the appropriate container the contractor will be responsible for the cost of the disposal and haul-off of the container
- f. In the event of any discrepancy between contract documents and governing code/regulations/standards, the more stringent shall apply.

6. Quality / Safety

- a. Comply with all Whiting-Turner Safety and Quality Control Program requirements for this work
(See Supplemental Conditions for Complete Programs)
- b. This contractor shall conduct weekly safety meetings for all its employees. A Whiting-Turner superintendent and/or safety officer may attend this safety meeting. The Contractor must provide legible sign-in sheet and a meeting agenda to the Whiting-Turner field office by the end of that day.
- c. Whiting-Turner shall conduct bimonthly safety and quality control meetings at the job site. All employees working on the job site shall attend these meetings.
- d. Contractors, subcontractors and their employees are required to participate in a one-time safety training orientation session prior to commencing with any work on site. This safety training session will be held as needed at 7:30 A M in the Whiting-Turner field trailer. The safety training is approximately 2 hours.
- e. Contractors must submit to Whiting-Turner a written safety program for their company-wide safety policy 10 days prior to starting work. This written program is subject to review and comment by the Whiting-Turner safety department. The program will be kept in the Whiting-Turner field office during course of the work and shall contain all training records and certifications for this subcontractor's employees. The Contractor shall periodically update the records with submittals to Whiting-Turner as new employees arrive or current employees are trained.
- f. This Contractor shall be responsible to post any applicable signage to warn workers and others of potential hazards due to the work
- g. Additional safety clarifications: (a) Audible-warning devices must be installed on all forklifts, scissor lifts, man lifts and articulated platforms used on this project work site. Audible devices must activate on any movement and upon descent of platform. (b) All safety equipment, such as lights, horn, etc., must be operational at all times. Forklift or moving equipment operators are required to wear seat belts. (c) Full body harness with lanyard is required for personnel within scissor lifts or articulated platforms. The tie-in point is a dedicated attachment point or as directed by the manufacturer.
- h. As required for the work, this contractor shall be responsible to cover and/or barricade any roof openings, floor openings, wall openings, excavations, or other fall hazards that are created by performing the work. All floor openings, 2' square or smaller, must be covered by a minimum of 3/4" plywood. Openings larger than 2' will require additional layers or other covering methods as determined by the subcontractor and approved by Whiting-Turner. All coverings shall be fastened securely and have a Whiting-Turner provided "Do Not Remove" sign. No coverings shall be removed without approval from Whiting-Turner. All barricades and railings must meet W-T and OSHA requirements.

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- i. This Contractor shall coordinate performance of this contract work with that of other subcontractors, independent testing and inspection agencies and as directed by Whiting-Turner. This contractor is responsible for providing any and all notices to Federal, State and Local authorities, such as building departments, environmental agencies, etc., for any inspections that may be required by such authorities. If such inspections are required and the necessary notifications were not given, this contractor is responsible for both all costs required to remedy the situation, including removal and replacement of work, if so directed, and all impacts to the project schedule. All inspections shall be coordinated with Whiting-Turner

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B. SPECIFIC SCOPE

The Specific Scope of Work Items –Abatement and demolition of the Neely Building and the Electronics Research Building as well as site demolition in accordance with the drawings and specifications contained herein as well as all regulations set forth by OSHA, the EPA and any and all regulatory agencies having jurisdiction for the state of Georgia regarding hazardous materials.

This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, transportation, taxes, permits, engineering, support functions, insurance, bonds, proper disposal of hazardous materials and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, in accordance with all drawings, specifications, state regulations, addenda, general conditions, requirements, and other related documents as indicated herein. The scope of work shall include but not be limited to the following:

I. Neely Reactor Building

NOTE: This General Contract is for any and all items included in the Reactor Building Drawings and Specifications. Any and all duplications between the Neely Reactor Drawings prepared by Richard and Wittschiebe and the Nanotechnology Research Center Drawing prepared by M+W Zander will be the responsibility of this contractor.

A. Requirements – Neely Building

1.) Applicable specification sections:

This work primarily includes but is not limited to the following specification sections as well as related work specified or shown elsewhere in the contract documents:

- i.) Nanotechnology Research Center Building Project Specifications Dated December 16, 2005
- ii.) Neely Reactor Containment Building Abatement and Demolition Package dated December 29, 2005
- iii.) Abatement Mock Up Neely Nuclear Research Center's Containment Building
- iv.) Project Update Neely Nuclear Research Center's Containment Building Abatement Project Asbestos Containing Materials Field Verification
- v.) Combined Environmental Site Assessment and Georgia Environmental Policy Act Audit Report for the Neely Nuclear Research Center Revision 1, dated February 10, 2005.
- vi.) Final Geotechnical Engineering Report Nanotechnology Research Center Building Prepared for Georgia Institute of Technology

2.) Applicable drawings:

See attached drawing log dated 1/9/06

B. Demolition, Abatement and Other Construction

1. This contract includes the complete abatement of any and all hazardous materials including lead, asbestos, mercury, PCB, etc.
2. This contractor is to submit a copy of their lead and asbestos program with their bid.
3. Submit component safety plan and documentation for personnel showing they have been trained.
4. Abatement contractor is responsible for training of Whiting Turner personnel and providing Whiting Turner personnel with any and all protective clothing, respirators, etc. for purposes of entering the work area for observation and supervision. Provide two (2) powered air purified respirators for Whiting-Turner supervision personnel.
5. This contractor is to include two (2) medical examinations for Whiting-Turner personnel. One to be conducted prior to the start of abatement and one to be conducted at the completion of the abatement. Provide unit costs for medical examinations.
6. Provide two (2) radios for exclusive use of whiting-Turner personnel. One to be used in the containment area and one to be located in the Whiting-Turner trailer.
7. Include both hot water and cold water for decontamination as well as proper disposal of contaminates.

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8. This contractor is responsible for all hauling permits as needed as well as **chain of custody and routing documentation**. Copies shall be made available to Whiting-Turner as well as the Owner.
9. This contractor is solely responsible for the abatement enclosure, including restricting access to their own personnel and Whiting Turner personnel and **authorized visitors**.
10. Abatement air samples should include samples in the containment area as well as samples outside the containment area.
11. This contractor is responsible for all necessary measures to maintain the existing to remain Neely Building in safe, uninterrupted and operational function for the occupants. See CD-100 for notes on occupancy.
12. This contractor is responsible for the complete scope of work of the Nuclear Reactor portion of the building in accordance with the drawings and specifications attached herein.
13. This contractor is responsible for all shoring. **This contractor is to provide an engineer stamped drawing for all shoring and support scaffolds**
14. This contractor is responsible for all temporary shoring. **This contractor is to provide an engineer stamped drawing for all shoring and support scaffolds**.
15. This contractor is responsible for all temporary structural support and scaffolding to maintain the structural integrity of the adjacent Neely structure. This contractor is to provide an engineer stamped drawing for all shoring and support scaffolds.
16. This contractor is to assume that all underground electrical conduits are encased in concrete.
17. Demolition/cap/Maintain/Protect/abandon all utilities and service connections,
18. This contractor is responsible for all scaffolding necessary for the complete demolition of the Neely Reactor Containment Building.
19. This contractor is responsible for all excavation, compaction and backfill with clean materials to an elevation of 904' over the slab on grade to remain
20. This contractor is responsible for the demolition of the steel storage building and its contents, including the concrete floor pad, foundation, *footings* any and all underground utilities, and surrounding concrete pavement per A-1 1 Demolition Plans
21. Compact soil to a soil bearing capacity of 95%
22. Demolition of the 6" drain tile at the exterior of the Neely Reactor Building as shown on Drawing CD-100
23. This contractor shall use **QUALIFIED** subs for any and all new construction, particularly **Earthwork**
24. Contractor is responsible for new construction shown on Sheet A-2.1 Plans – New Construction, including but not limited to the following:
 - Waterproofing
 - Joint sealants
 - CMU
 - CIP concrete construction
 - Gravel Access Drive
 - CMU Curbs
 - Storefront
 - Paint
25. This contractor is responsible for all signage, maintenance of signage, and all temporary barricades associated with its scope of work.

II. Electronics Research Building (ERB)

NOTE: Any and all duplications between the Neely Reactor Drawings prepared by Richard and Wittschiebe and the Nanotechnology Research Center Drawing prepared by M+W Zander will be the responsibility of the Neely Reactor Building Contractor.

A. Requirements

1.) Applicable specification sections:

This work primarily includes but is not limited to the following specification sections as well as related work specified or shown elsewhere in the contract documents:

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- i.) Nanotechnology Research Center Building Project Specifications Dated December 16, 2005
- ii.) Hazardous Materials Abatements specifications Dated December 15, 2005
- iii.) Revised Supplemental Asbestos Inspection
- iv.) Limited Asbestos and Lead Based Paint survey Report
- v.) Final Geotechnical Engineering Report Nanotechnology Research Center Building Prepared for Georgia Institute of Technology.

2) Applicable drawings:
See attached drawing log Dated 1/9/06

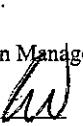
B. Abatement

- 1 This contract includes the complete abatement of any and all hazardous materials including lead, asbestos, mercury, PCB, etc.
- 2 This contractor is to submit a copy of their lead and asbestos program with their bid.
- 3 This contractor is responsible for all hauling permits as required.
- 4 Abatement contractor is responsible for training Whiting-Turner personnel and providing Whiting-Turner personnel with respirators, protective clothing, etc for purposes of entering the work area for observation and supervision. Provide two (2) powered purified air respirators for Whiting-Turner supervision personnel.
- 5 Provide two (2) radios for exclusive use of Whiting-Turner personnel. One to be used in the containment area and one to be located in the Whiting-Turner trailer.
- 6 This contractor is solely responsible for the abatement enclosure, including restricting access to their own personnel and Whiting-Turner personnel only.
- 7 See Spec Section 01013 Summary of the Work of the Hazardous Materials Abatement Specifications for details regarding the removal and disposal of hazardous materials including Lead, Asbestos, PCB, and Mercury.
- 8 **This contractor is responsible for all signage, maintenance of signage, and all temporary barricades associated with its scope of work.**

C. Demolition and Site Demolition

- 1 Complete demolition of the ERB including foundations and footings, in accordance with the drawings and specifications attached herein.
- 2 This contractor to include in their cost eight (8) mobilizations as well as a unit price per mobilization.
- 3 Identify all utilities under the new building footprint and demo completely regardless of depth. Backfill with clean materials to 912' and compact to 95%.
- 4 This contractor is responsible for surveying and creating an accurate as-built of existing foundations after completing the demo to the specified grade. This as-built is to be turned over to the structural engineer for verification of new foundation design.
- 5 Demolition/cap/maintain/protect/abandon of utilities, including but not limited to, the following as shown on CD-100:
 - Storm Lines
 - Drainage structures
 - Fiber Optics
 - Telephone
 - Gas
 - Chiller and water lines
 - Electrical Conduits
 - Cable TV
 - Steam and condensate lines
 - Sanitary sewer lines
 - Chill water lines
- 6 Demolition of all asphalt as indicated on Sheet CD-100.

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7. Demolition of existing curb and gutter as indicated on Sheet CD-100
8. Demolition of existing chain link fencing, posts, gates and post concrete at the storage area west of the ERB Building as shown on CD-100
9. Demolition of the concrete patio north of the ERB as shown on Sheet CD-100.
10. Demolition of the 8" brick wall south of the ERB as shown on Drawing CD-100
11. Demolition of CMU walls as indicated on Drawing CD-100
12. Demolition of sidewalks as indicated on Drawing CD-100.
13. Demolition of concrete flumes as indicated on Drawing CD-100
14. Demolition of the entrance gate to the ERB parking lot
15. Demolition of the concrete island at the entrance gate to the ERB as shown on Drawing CD-100
16. Demolition of storm drains as indicated on Drawing CD-100.
17. Demolition of the bollards north of the ERB
18. Sawcut the asphalt pavement at all construction to be removed including but not limited to sidewalks, driveways, curbs and gutters.
19. Protect in place, light poles and traffic signals. Such protection shall be construction of pressure treated lumber and exterior grade plywood to an elevation of 4'0" above grade.
20. Protect in place hydrants to remain with four (4) #5 rebar driven to 2'0" below grade and extending 4'0" above grade and placed 3'0" away from the hydrant. Provide weather resistant, brightly colored rope tied to the top of the rebar with caution tape hung 2'0" long at 2'0" OC.
21. Protect in place all inlets, electrical equipment, catch basins, and existing Neely Building structure as indicated on Sheet CD-100.
22. This contractor is responsible for all hauling permits as required
23. **This contractor is responsible for all signage, maintenance of signage, and temporary barricades associated with its scope of work.**

FENCING AND SHORING

1. Remove all trees along Ferst Drive.
2. Provide and maintain an 8'0" new chain link fence, with posts embedded in concrete at the existing transformers to remain around the Neely Building 0
3. Provide new 8'0" tall chain link fence with posts embedded in concrete at the existing tank farm to remain at the Neely Building.
4. Provide and maintain, a new 8'-0" tall chain link fence (with posts embedded in concrete at 10'-0" on center) along the construction limits as shown on LD-111. Provide a linear foot unit price for the fencing with posts embedded in concrete and for posts supported above ground. Provide unit price for continuous toprails
5. Provide three (3) new 24'-0" wide chain link fence gates at the construction exists shown on CE-100 and CE-102 and/or as directed by Whiting-Turner

EROSION CONTROL

1. This contractor is responsible for Phase I and Phase II Erosion & Sedimentation Control including but not limited to the information indicated on Sheets CE-100 and CE-101, and details shown on CE-103, CE-104, and CE-105.
2. This contractor is responsible for the maintenance of the erosion control measures including but not limited to the temporary sediment basin, silt fence, sediment traps, and hay bales as shown on Sheets CE-100 and CE-101 and details shown on CE103, CE104, CE105 until all work in this contract is 100% complete.

WASH DOWN AREAS (TOTAL OF 2 WASHDOWN AREAS. PROVIDE THE FOLLOWING AT EACH AREA)

1. This contractor is responsible for washdown of any and all vehicles leaving the site. At each construction exit, this contractor shall provide the following:
 - Provide "wash down vaults" at the construction exits with laborers dedicated to operate the pressure washers and wash down any and all vehicles leaving the site until this contract is 100% complete. The vaults shall be made of precast concrete with rebar and a metal grates for vehicles to drive over and designed for heavy truck traffic. The interior dimensions of the vault shall be 4'-0" deep, 15'-0" wide, 20'-0" long
 - Provide, install and remove a temporary water supply at the construction exits as directed by Whiting-Turner.

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- Provide, install and remove a temporary water supply at the construction exits as directed by Whiting-Turner.
- Provide six (6) gasoline powered 3,000 psi cold water pressure washers to be used at the wash down areas. The pressure washers shall remain the property of the project. This contractor is to maintain and secure pressure washers until this contract is 100% complete. The costs of the temporary water used at the construction exit wash down shall be born by Whiting-Turner. The water pressure for the temporary water supply shall be as required by the pressure washer manufacturer.
- Provide maintenance of the truck wash down vault and aggregate drives as required by Whiting-Turner until all work in this contract is 100% complete

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C. SCHEDULE

1. It is the requirement that this contractor prepare a detailed "Project Schedule" of its work activities from the start of work through final completion. This schedule may be in a bar chart format. This schedule shall be submitted to Whiting-Turner with your bid. This schedule shall be updated by this contractor for each progress meeting.
2. The proposed schedule for this project is outlined below. It is understood that the schedule is of the essence on this project and each subcontractor is responsible for completion of its work in coordination with the work of all other subcontractors within the required sequence and time frame so that the established schedule is met.
3. All shop drawings and submittals must be submitted within 3 days of award to ensure delivery of all materials and equipment to meet the established schedule. The contractor shall allow a minimum of three (3) weeks for review of submittals and shop drawings.
4. The proposed schedule durations include anticipated impacts due to normal weather. It is agreed that weekends shall be used as makeup days, at no additional cost, for time lost during the week due to weather as necessary to maintain the schedule.
5. All work, or applicable portions of the work, shall be sufficiently complete as required for Owner's fit-out, use and occupancy and all required approvals and permits for use and occupancy shall have been issued by the appropriate authorities by the established "Date of Material Completion" of the work, or applicable portion thereof.
6. All punchlist work and project closeout documentation shall be completed and approved by the Owner and Architect by the "Date of Final Completion" which shall be no later than 14 days after the Date of Material Completion. Any uncompleted punchlist items after this date will be completed by Whiting-Turner and backcharged to the appropriate contractor or vendor. Final invoices will not be processed until final completion of the work and certification of same by WT, the Owner and Architect.
7. It is understood that the surrounding campus will be fully operational throughout the performance of this work and all subcontractors must exercise special care and make special provisions to maintain safe access/ egress and to minimize disruption of the campus' operation.
8. Time is of the essence on this project. This contractor is responsible for all efforts, methods, procedures and costs required to meet or better the schedule dates. If, at any time, it is determined by Whiting-Turner or the Owner that this contractor is not on schedule for any reason within the control or responsibility of this contractor, this contractor shall increase its manpower or work such overtime as is required to bring the work back within the Project Schedule. Such additional efforts shall be performed at no additional cost to Whiting-Turner or the Owner. No claims will be accepted for costs incurred due to delays caused by others except to the extent that such delays exceed four (4) months.

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<u>ITEM OF WORK</u>	<u>START NO LATER THAN</u>	<u>COMPLETE NO LATER THAN</u>
Contract Award Based on 2/24/06 release	February 24, 2006	February 24, 2006
Start Construction	March 6, 2006	March 6, 2006
Submittals	March 20, 2006	March 23, 2006
Abatement of the Neely Building	March 22, 2006	May 26, 2006
Demolition of the Neely Building	May 9, 2006	June 2, 2006
New Construction Associated w/Neely Building	June 5, 2006	June 16, 2006
Abatement of the ERB	March 6, 2006	March 21, 2006
Demolition of the ERB	March 22, 2006	April 19, 2006
Site Demolition	April 20, 2006	May 12, 2006
Erosion Control Construction		June 23, 2006
All work 100% complete	March 6, 2006	June 23, 2006

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